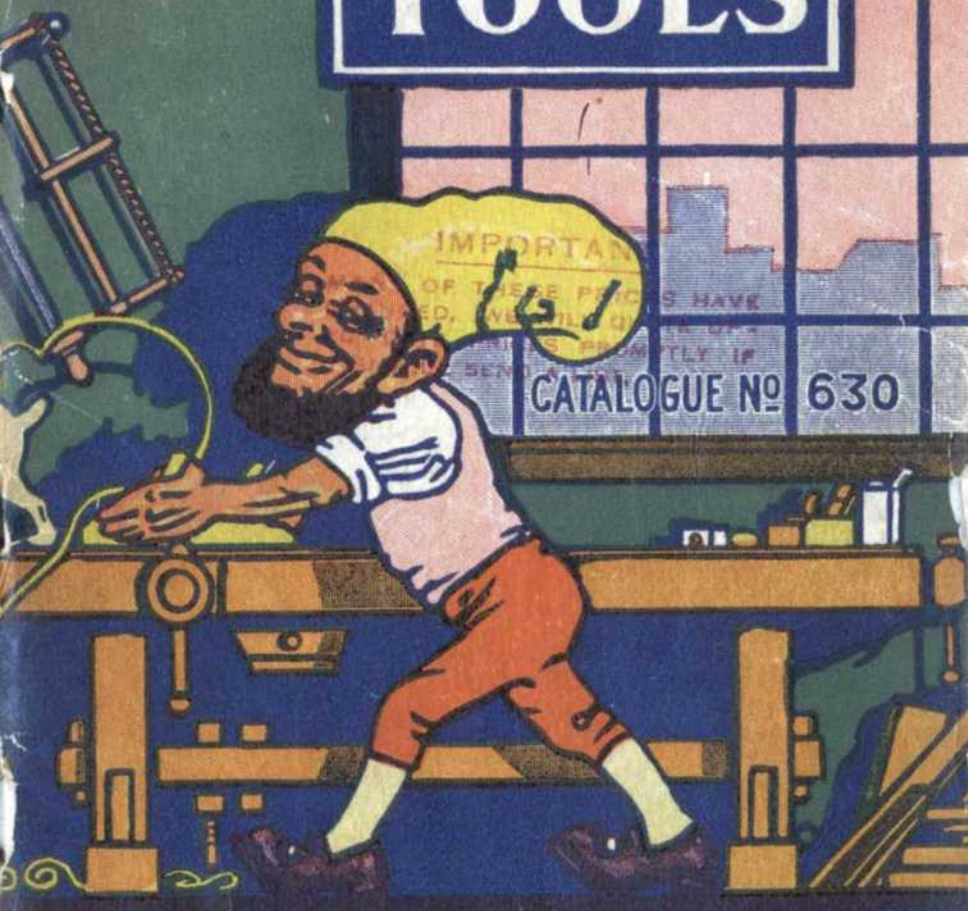


TOOLS



Hammacher, Schlemmer & Co.
NEW YORK, N.Y.

SINCE 1848

IMPORTANT

MANY OF THESE PRICES HAVE
CHANGED, WE WILL QUOTE UP-
TO DATE PRICES PROMPTLY IF
YOU WILL SEND A LIST.

Hammacher, Schlemmer & Co.

www.roseantiquetools.com



Our Uptown Salesrooms
57th Street—145-147 East
Near Lexington Avenue
Volunteer 4700



Warehouse
No. 1

12th Street

Completely stocked with all supplies including piano materials. Also houses the private garage for Hammacher, Schlemmer & Company's fleet of motor trucks

13th Street Annex

Connected with the main building, and containing the Receiving and Shipping departments, also passenger and freight elevators, rest rooms, lunchroom, cloak rooms, etc.



Our Main Store and Office
4th Avenue at 13th Street
Stuyvesant 7000

Fourth Avenue at 13th Street also at 57th Street—145-147 East

FOREWORD

Working with tools is an interesting and fascinating pastime. Many beginners, however, have made the error of purchasing poor or mediocre quality, not realizing that regardless of skill a good job cannot be done with poor tools, and that to approach the finished work of a skilled mechanic, one should acquire and use the same high grade tools.

Considered from the standpoint of genuine utility, good tools are a real economy, for with proper care, they remain a source of pride and satisfaction long after the mediocre article has been cast aside.

This catalog is not intended to present our full lines, but is an abridged edition compiled especially for the use of those who buy tools in smaller quantities for general home use or for pastime or hobby. We carry in stock upward of 125,000 odd items of tools, hardware and supplies.

As one who appreciates the value of really good tools you will need no introduction to such nationally known brands as Disston Saws, Russell Jennings Auger Bits, Buck Bros. Chisels and Gouges, Hammond Hammers, Yankee Tools, Stanley Planes, Nicholson Files, Millers Falls Bit Braces and the other equally well known brands we present herein for your consideration. One and all, they are the same "Trade Marked" tools which we sell every day to critical skilled mechanics—each tool worthy to be in the kit or on the bench of the most expert artisan.

We reserve the right to make substitutions on any items specified in our tool outfits, or individual tools, etc., where styles, models or numbers have been discontinued or changed.

It is our aim to make your shopping easy, to make "Hammacher, Schlemmer" your headquarters, and for this purpose we have listed in this catalog only such items as are regularly carried in stock by us. We cheerfully invite you to call on us when in doubt about selecting tools especially adapted for certain kinds of work that you may be doing.

For eighty years we have made a constant study of the tool needs of skilled mechanics, and we are proud of our reputation for high grade tools. Many of our oldest customers are skilled artisans who rely on our recommendation.

You may order by mail with the full assurance that your needs will be given the same careful attention as if you had made a personal selection in our store.

Guarantee

We warrant all merchandise purchased from us to be perfect and to be free from flaw, and to do the work for which it is recommended. We will replace any that proves defective.

HAMMACHER, SCHLEMMER & CO.

SPECIAL INSTRUCTIONS

Before you order, study carefully all details enumerated in this catalog. Indicate carefully catalog number, size and kind of article. Any point omitted often necessitates correspondence and loss of time and frequently delays shipment.

Shipping Instructions

Please indicate your preference as to freight, express or parcel post. Where no instructions are given, we will use our best judgment, taking into consideration shipping weight, distance, and your interests.

All goods are sold f. o. b. New York, but we prepay transportation charges on all items in this catalog to points within 100 miles of New York.

Terms

Remittance including an approximate amount to pay postage should accompany all orders unless credit has been established. C. O. D. orders will be accepted provided an amount equal to approximately one-quarter of the value of the retail price accompanies the order. Remittance should be made with Post Office or Express Money Orders. We will, however, accept personal or firm checks if makers are known to us.

Goods to be Returned

All regular stock goods are returnable if unused provided such return is arranged for before the goods are reshipped to us. If goods are in original packages and in salable condition, we will promptly refund the price thereof if paid for in advance, or give full credit where goods were charged, when returned prepaid.

HAMMACHER, SCHLEMMER & CO.

HAND, RIP AND PANEL SAWS**Disston**

Disston-made steel blade, narrow and light, thin backs, Disston true-taper ground, new high polish, striped backs; weatherproof finish handles, brass screws. Improved hang and balance.

**No. D8—Regular Pattern, Skew Back, Applewood Handle**

No. D8 Panel —Length, inches.....	16	20	
Points to inch.....	9	8, 9, 10, 11	
Each	\$2.40	2.85	
No D8 Hand —Length, inches.....	22	24	26
Points to inch.....	8, 9, 10, 11	7, 8, 9, 10, 11	7, 8, 9, 10
Each	\$3.05	3.15	3.30
No. D8 Rip —Length, Inches	24	26	
Points to inch.....	5, 5½, 6	5, 5½, 6	
Each	\$3.15	3.30	

**No. D7—Regular Pattern, Straight Back, Beechwood Handle**

No. D7 Panel—Length, inches.....	16	18	20	
Points to inch.....	9, 10	9, 10, 11	8, 9, 10, 11	
Each	\$2.15	2.30	2.50	
No. D7 Hand—Length, inches.....	22	24	26	28
Points to inch.....	8, 9, 10, 11	7, 8, 9, 10, 11	8, 9, 10	7
Each	\$2.75	2.80	2.90	3.60
No. D7 Rip—Length, inches.....	22	24	26	28
Points to inch.....	7	5½, 6	5, 5½, 6	5, 5½
Each	\$2.75	2.80	2.90	3.60

**No. D7L—Lightweight Ship Pattern, Straight Back, Beechwood Handle**

No. D7L Hand		No. D7L Rip	
Length, inches....	24 26	Length, inches	26
Points to inch....	7, 8 7, 8, 10	Points to inch.....	5½
Each	\$2.80 2.90	Each	\$2.90

Prices Subject to Market Changes

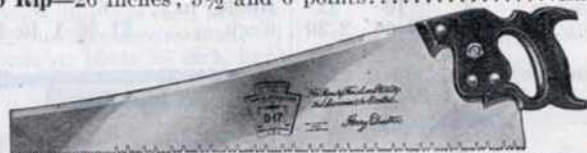
HAND AND RIP SAWS**Disston**

Disston-made steel blade, narrow and light, thin backs, Disston true-taper ground. New high polish, striped backs; weatherproof finish handles. Improved hang and balance.



No. D115—Regular Pattern, Skew Back, Carved Rosewood Handle, Nickel Plated Screws

No. D115 Hand —Length, inches...	22	24	26
Points to inch.....	10	10, 11	7, 8, 9, 10, 11
Each	\$5.25	5.30	5.50
No. D115 Rip —26 inches; 5½ and 6 points.....	Each \$5.50		



No. D17—Double Duty, Regular Pattern, Skew Back, Beechwood Handle, Brass Screws

The combination of teeth in this saw, alternate sections of five regular cross-cutting teeth and two ripping teeth, are separated by numerous deep gullets for full clearance. This insures free running, easy, very rapid and clean cutting in heavy work, whether cross-cutting or ripping, and especially for sawing diagonally across the grain, as its name implies. Particularly adapted for general construction work of all kinds, studding-up houses, shoring for sewers, making forms for concrete buildings, railroad work, etc.

No. D17 —Length of blade 26 inches.....	Each \$3.55
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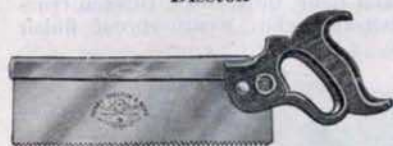
Gnome Brand**Regular Pattern, Skew Back**

For general use. Good quality blade; fitted with walnut finish handle and nickel plated screws.

Gnome Hand Saw —Length, inches...	20	22	24	26
Points to inch.....	8, 9, 10	8, 9, 10	7, 8, 9, 10	6, 7, 8, 9
Each	\$1.50	1.60	1.70	1.75
Gnome Rip Saw —Length, inches.....	26			
Points to inch.....	5½, 6			
Each	\$1.75			

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BACK SAWS**Disston****No. 4—Back Saw**

Crucible steel blade, polished and etched; blued steel back; applewood handle with polished edges; three brass screws.

Blade, inches...	8	10	12
Each	\$1.90	2.00	2.30

Blade, inches.....	14	16
Each	\$2.60	3.00

MITRE BOX SAWS**Disston****No. 4—Mitre Box Saw**

For use in mitre boxes.

Crucible steel blade, warranted. Blued steel back; applewood handle, polished edge, three improved brass screws. These saws are measured the full length of blade. The peculiar shape of butt or heel makes the toothed edge about 2 inches shorter than the full length of blade. 4 inches under back. Eleven points to the inch, 19 gauge.

Blade, inches..	20	24	26
Each	\$3.45	4.00	4.85

DOVETAIL SAWS**Disston**

English standard gauge No. 26. Extra quality spring steel blade, with special temper for cutting wood only. 17 points to inch. Brass plated steel back. Polished handle. Width under back 1½ inches.

**No. 68—Straight Handle**

For regular work.

Blade, in....	6	8	10	12
Each	\$1.30	1.40	1.50	1.65

**No. 71—Offset Handle, Right or Left Hand**

To permit work on flat surface.

Blade, inches.....	10
Each	\$1.75

FLOORING SAWS**Disston****No. D19—Adjustable**

Cherry handle, carved and polished. Adjustable to various positions. Specially designed to cut out sections of floors, ceilings or partitions to any desired depth, without necessity of boring, chiseling, etc. Blade is reversible, interchangeable and adjustable. 9 points to the inch.

Blade, inches	18
Each	\$2.55

Prices Subject to Market Changes

NESTS OF SAWS**Disston****With Pruning Blade**

A nest or combination of saws for general use. Beech handle, varnished edges, equipped with a special adjustable lever tightener to take in blades of different thicknesses. Special temper Disston-made steel blades.

No. 3—Combining one each keyhole blade 10 inch, compass blade 14 inch, pruning blade 16 inch, handle and tightener..Per Set **\$1.75**

Extra Parts for No. 3 Nests of Saws

	Each
Handle and tightener.....	\$0.35
Keyhole blade, 10 inch.....	.35
Compass blade, 14 inch.....	.40
Pruning blade, 16 inch.....	.76

PLUMBERS SAWS**Disston****For Wood or Metal**

Beech handle, varnished edges, three brass screws. One edge toothed 6 points; the other 8 points. The coarse teeth are for sawing wood. The fine teeth for sawing wood in which nails are imbedded, lead pipe, etc.

No. 6—Blade 16 inch..Each **\$1.35**

COMPASS SAWS**Disston****For Wood**

Crucible steel blade; applewood handle, brass screws.

No. 2—Blade, in.. 10 12 14
Each **\$0.85 .90 .95**

COMPASS SAWS**Disston****Plunger Adjustment****Square Top Handle****For Wood; Applewood Handle, Weatherproof Finish**

The plunger adjustment makes reversal or replacement of blade quick and easy; no screws or levers to tighten. A slight pressure of plunger releases blade; plunger returns to position automatically. Square top handle enables the user to do close cutting, molding, siding, floor work, etc., in either regular or reverse position of blade.

Taper ground Disston saw steel blade, extra high polish, 8 points to the inch. The taper grind insures easier cutting, better and faster work.

No. 115A—Length of blade, inches..... 12 14
Each **\$1.00 1.10**

Prices Subject to Market Changes**Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect**

PRUNING OR GYPSUM SAWS

Disston

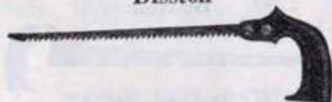


Especially adapted for pruning, gypsum block cutting, plaster board cutting, etc. Disston-made steel blade. Beechwood handle, varnished edges, three brass screws; comfortable grip.

No. 30—Blade 20 inches long, $3\frac{1}{2}$ inches wide at butt, $1\frac{1}{2}$ inches at point; teeth, $4\frac{1}{2}$ points to the inch.....Each \$1.70

KEYHOLE SAWS

Disston



Cast steel blade; beechwood handle, brass screws.

No. 15—Blade, inches. 10 12
Each.....\$0.45 .50

KEYHOLE SAWS AND PADS

Disston



Round hardwood handle slotted clear through, permitting adjustment of blade for length of cutting edge required. Blade held in place by steel grip inside of handle, tightened by thumb screw.

No. 95—Blade 10 in...Each \$0.60



No. 10—Complete with adjustable handle and 10 inch blade.
Each.....\$0.39

FRET SAW SETS

Millers Falls



An excellent set for amateurs. High grade spring steel frame; enameled handle; patent clamps hold blade securely. Frame is highly polished and nickel plated, depth 12 inches, width 5 inches.

No. 2—Complete with 12 blades, 1 awl, 1 sheet of impression paper and 3 sheets of designs; weight per set 17 ounces; one set in a box.....Set \$1.10

No. 20—8 inch saw frame only.
Each.....\$0.95

FRET SAW BLADES

No. 1	
No. 2	
No. 3	
No. 5	
No. 6	

For Wood Work, 5 inches Long

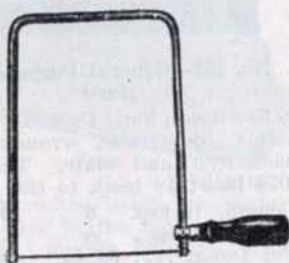
Cut fast, smooth and are of uniform quality.

Nos.	000	00	0	1
Per Dozen..	\$0.12	.12	.12	.12
Nos.	2	3	5	6
Per Dozen..	\$0.12	.12	.12	.12

Prices Subject to Market Changes

BRACKET SAWS

Griffin



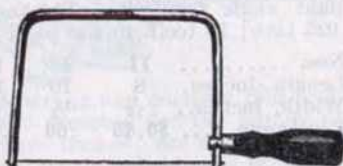
Wood Handle

Nickel plated steel wire frame; black hardwood handle; 6 inch bent end blades; depth of cut 8 inches.

No. 170—Complete with one dozen extra blades.....Each \$0.40

COPING SAWS

Griffin



Wood Handle

Nickel plated steel wire frame; highly polished black hardwood handle; 6 inch bent end blades; depth of cut 4 inches.

No. 110—Complete with one dozen extra blades.....Each \$0.35

Extra Blades

Bent Ends

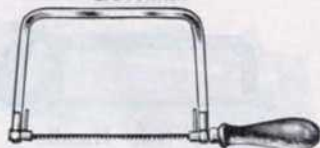
Will cut through nails imbedded in wood. Slight set, prevents heating or binding.

No. 6—Black (Special); length 6 inches.....Per Dozen \$0.10

Prices Subject to Market Changes

COPING SAWS

Dikeman



Wood Handle

Heavy steel frame, nickel plated; hardwood handle, steel ferrule. Two adjusting pins at either end of frame provide means for changing cutting angle of blade. $6\frac{1}{2}$ inch pin end blade; depth of cut $4\frac{5}{8}$ inches.

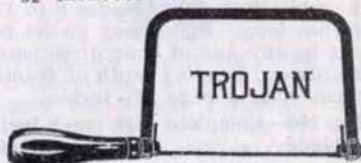
No. 425—Complete with one $6\frac{1}{2}$ inch blade.....Each \$0.60

Extra Blades, Pin Ends

Special process steel, will cut light metal as easily as wood.

No. $6\frac{1}{2}$ —Length 6 inches, width $\frac{3}{4}$ inch.....Per Dozen \$0.25

TROJAN



Wood Handle

No. 10—Tool steel, blued finish; French finish hardwood handle; depth of cut $4\frac{1}{2}$ inches; complete with one $6\frac{1}{2}$ inch blade. Each\$1.00

Extra Blades, Lock Loop Ends

Length $6\frac{1}{2}$ in. For sawing wood and metals. Fit all standard frames.

Nos.	Grade	Teeth	Width
2	Coarse	15	$\frac{3}{8}$
3	Medium	15	$\frac{1}{8}$
5	Fine	20	$\frac{1}{8}$
6	Ex. Fine	32	$\frac{1}{8}$

Per Dozen, All Nos.....\$0.50

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HACK SAW FRAMES

Starrett

**Easy Grip Handle**

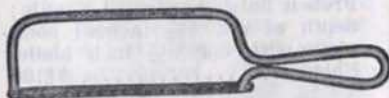
Nickel plated steel frame, adjustable back, takes blades 8 to 12 inches long. Blade may be set to cut in any one of four directions. Checked, hard rubber handle; depth of frame from cutting edge about 3 3/8 inches.

No. 169—Complete with one 8 inch blade.....Each \$3.25

**Straight Handle**

Nickel plated steel frame, adjustable back, takes blades 8 to 12 inches long. Blade may be set to cut in any one of four directions. Hardwood handle; depth of frame from cutting edge 2 3/4 inches.

No. 200—Complete with one 8 inch blade.....Each \$1.00

Millflex Midget**Spring Steel Frame**

Useful in the home as well as in the shop for cutting wood, mica, bakelite, drill rod, screws, bolts, cable, wire, thin tubing, etc.

No. 5—Complete with one 6 inch blade.....Each \$0.30

Extra Blades for Millflex

Length 6 inches, width 1/4 inch, 28 gauge; 32 teeth....Dozen \$0.60

HACK SAW BLADES

Starrett

**No. 103—General Purpose, All Hard**

For use in hand frames. For all solids, tool steels, wrought iron, cast iron and slate. Thickness .025 inch; 18 teeth to the inch.

Length, inches.	8	10	12
Width, inches..	7/8	1 1/2	1 1/2
Per Dozen	\$0.45	.60	.70

Millers Falls**General Purpose, All Hard**

For use in hand frames. For general all round work in cutting tool steel, iron pipe, hard metals, light angle iron, etc. Thickness .025 inch; 18 teeth to the inch.

Nos.	11	13	15
Length, inches.	8	10	12
Width, inches..	7/8	1 1/2	1 1/2
Per Dozen.....	\$0.45	.60	.70

Star**Special Flexible Hand Blades**

For cutting all kinds of soft metals. Will cut pipe, electric conduit, wire cable, soft sheet steel and any material of this kind without breaking or stripping of teeth.

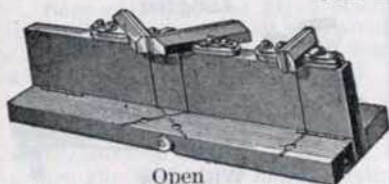
For hand use only; 18 teeth per inch; .025 inch (23 gauge) thick.

Nos.	818SF	1018SF	1218SF
Length, in..	8	10	12
Width, in..	7/8	1 1/2	1 1/2
Per Dozen..	\$0.45	.60	.70

Prices Subject to Market Changes

MITRE BOXES

Gem Folding



Open



Closed

Adjustable Saw Guides

These mitre boxes are strong, simple and compact and occupy a small space in the tool box. The guides are absolutely true and are easily and quickly adjusted. They are adapted to any size or style of hand or back saws.

No. 1G—Length 14 inches; height of back 3 inches; takes mouldings up to $2\frac{1}{2}$ inches; weight each 4 pounds.....Each \$2.00

STANLEY MARSH MITRE TOOLS

No. 100 Mitre Machine



A strong and compact tool originally designed for the joining of picture frames; but now used extensively for all classes of woodwork. Any type of mitered joint may be readily cut, glued and nailed; and close, tight-fitting corners can be assured.

Mouldings less than $4\frac{1}{2}$ in. wide can be sawed and any frame $7\frac{1}{2} \times 7\frac{1}{2}$ in. or larger can be clamped. The $7\frac{1}{2}$ in. clamping capacity insures accuracy in sawing large frames.

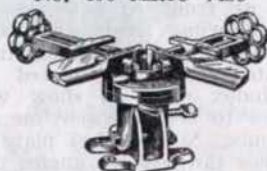
Saw is of highest quality and carefully fitted to machine. Machine made entirely of metal and japanned. Weight 23 pounds.

No. 100—With $26 \times 4\frac{1}{2}$ inch saw.
.....Each \$16 00

No. 101—Without saw.....
.....Each \$12.45

One in a case.

No. 400 Mitre Vise

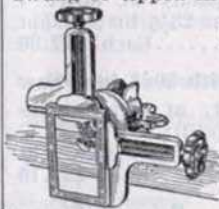


The mitre vise meets every requirement of a picture frame clamp for square corners. The jaws hold the two sides of the frame firmly in position for nailing. Provision is made for resawing the joint if it does not make up tight.

It will clamp any type or width of moulding less than 4 inches wide and join any frame larger than $3\frac{1}{2} \times 3\frac{1}{2}$ inches. It has the universal base of the mitre machine allowing the frame to be swung or tipped in any position.

No. 400—Cast iron frame, black japanned; weight 12 pounds....
.....Each \$7.00

One in a case.

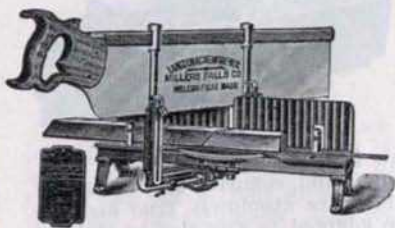


Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

MITRE BOXES

Improved Langdon Acme



With Saw

Iron and steel castings; main castings enameled black; steel bed plates enameled red; bright parts nickel plated. Has thumb lever at front so saw supports can be swung freely and locked at either a positive or any intermediate angle. Graduated arc and index plate to show what degrees to set the saw for certain cuts. Notched bed plate determines the positive angles most used. Extension lever for quick acting adjustment on all except size 1 boxes. Length and depth gauges. Steel bottom boards roughened to prevent work from slipping.

Size No. 1, with 22x4 inch Saw

No. 68—Capacity at right angles $7\frac{1}{2}$ in.; capacity at mitre 5 in.; net weight 23 lbs., weight boxed 34 lbs.....Each \$15.40

Size No. 2, with 24x4 inch Saw

No. 72—Capacity at right angles $10\frac{1}{4}$ in.; capacity at mitre 7 in.; net weight $23\frac{1}{2}$ lbs; weight boxed 35 lbs.....Each \$17.30

Size No. 2½, with 30x5 inch Saw

No. 75—Capacity at right angles $10\frac{1}{4}$ in.; capacity at mitre 7 in.; net weight $25\frac{1}{2}$ lbs., weight boxed 38 lbs.....Each \$21.10

Langdon



With Saw

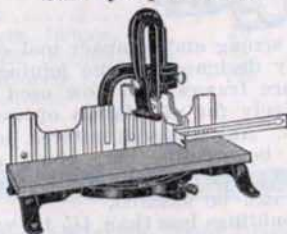
Easily portable and especially adapted to cutting mouldings and other light work. Guaranteed accurate.

Saw supports may be quickly swung and clamped at any angle from 45 to 90 degrees either right or left, notches being cut in the base plate at the angles most used.

Size C, with 16x2½ inch Saw

No. 15½—Capacity at right angles $4\frac{1}{2}$ in.; capacity at mitre 3 in.; net weight 8 lbs., weight boxed 14 lbs.....Each \$9.60

Stanley Open Front



Without Saw

Will take stock up to 4 in. high and boards of extra width can be sawed at any angle between 45 and 90 degrees. Saw guide can be adjusted for any thickness of saw as well as vertically to the base and saw can be adjusted square with the back.

No. 150—Takes any ordinary hand or panel saw; weight each 15 poundsEach \$5.40

Prices Subject to Market Changes

SKILSAWS

Base adjustable for depth of cut desired. Universal motor specially designed for operating on alternating or direct current. Aluminum body. Chrome nickel steel shaft and gears. Ball bearings throughout. Kerf guide and approved safety guard.

Standard equipment includes: One combination rip and cut-off saw blade; convenient carrying case; adjustable rip fence attachment; rubber covered electric cord with attachment plug; one high pressure grease gun filled with Skilsaw lubricant; socket wrench.



Model J—Junior

For ripping and cross cutting up to 2 inch dressed lumber. The light weight, compactness and power of this model make it extremely popular with the carpenter. It is becoming indispensable to manufacturing concerns, office buildings, hotels and shipping rooms of all industries, in fact wherever the hand saw was formerly used.

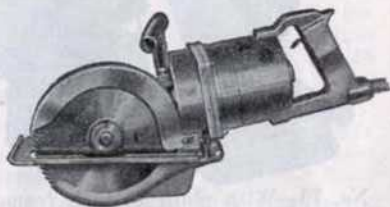
Specifications

Cutting capacity—maximum 1 7/8 inches deep.

Diameter saw blade, 6 inches.

Weight 11 pounds.

Model J—Voltage..	110	220
Each	\$60.00	63.00
Price for special voltages..	\$68.00	



Model E—Contractor

Every building operation requires Skilsaw Model E, the contractor's popular size for rip and cut-off work up to 3 inch dressed lumber. Economy is effected and handling costs reduced by "gang-ing" work. The tilting and vertically adjustable base makes "E" a versatile tool.

Specifications

Cutting capacity—maximum 2 3/4 inches deep.

Diameter saw blade, 8 inches.

Wide tilting base for bevel cutting.

Weight 18 pounds.

Model E—Voltage..	110	220
Each	\$135.00	138.00
Price for special voltages..	\$145.00	

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

SCROLL SAWS**American Giant Scroll Saw Motor Unit**

Motor—A. C., 110 volts, 60 cycles, speed 1725 R.P.M., $\frac{1}{2}$ H. P., with two shafts. This enables the use of any of the numerous available attachments, such as emery, buffing or wire wheel, drill chuck, sanding disc, also sanding table. The extra shaft may also be used for driving any other machinery.

Strong iron base, has all holes jig drilled so that any other Delta attachments such as lathe and circular saw may be added in the future. Equipped with 12 inch American Giant scroll saw; assembled ready for operation and packed in strong wood box.

- No. 70—With plain 12 inch frame; non-tilting table; six each Nos. 3 and 4 pin end blades; motor base with switch, cord and plug; No. 45 pulley; No. 50 "V" belt; shipping weight 70 pounds. Each \$32.25
- No. 75—Same as No. 70 except with tilting table; shipping weight 70 pounds Each \$34.25

Add \$5.00 if with D. C. motor, 115 volts.

American Giant Scroll Saw

Large ($5\frac{3}{4} \times 5\frac{3}{4}$ inches) two-piece, square steel table. Scientifically designed slide. Maximum strength at minimum weight. Large hardened crank block, has replaceable bronze bushing and gives this saw that smooth, easy action. Extra strong and long crank bearing. Safety drive wheel measures $7\frac{1}{4}$ inches in diameter. Is counter balanced and grooved for "V" or $\frac{1}{2}$ inch round belt. Rugged $\frac{1}{2}$ inch diameter frame, holds blade firm and true. Will not jiggle sideways. Heavy hold-down arm is made from $\frac{1}{2}$ inch diameter stock. Has forked end and is easily adjusted. Hardened saw blade guide supports blade securely. Prevents blade breakage, and allows severe feeding of work.

Strong base with bottom disc ground. Well ribbed and provided with heavy mounting bosses.

- No. 20—With plain 12 inch frame; non-tilting table; six each Nos. 3 and 4 pin end blades, 5 in. long; shipping weight 16 pounds. Each \$10.00
- No. 25—Same as No. 20 except with tilting table; shipping weight 16 pounds Each \$12.00

Prices Subject to Market Changes

SCROLL SAWS

American Scroll Saw Motor Unit

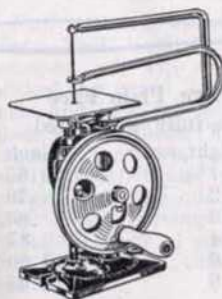


Mounted on strong iron base, finished in red enamel. A 1/20 H.P., 110 volt A.C. 60 cycle motor with special pulley and endless rubber belt drives the saw quietly, smoothly, and with power to spare. Belt will positively not slip, as it is of "V" section, same as used so successfully on ice machines, automobile fans, etc. Machine is ready to attach to lamp socket.

No. 63—With plain 8 inch frame, one fine and one coarse 5 inch pin end blades, motor, cord and plug and "V" belt; shipping weight 33 pounds Each \$25.00

One in a wood box.

American Scroll Saw



Frame of $\frac{1}{8}$ inch diameter steel holds blade firmly and steady. Table measures $4\frac{1}{2} \times 4\frac{1}{2}$ inches. Hardened steel support underneath table securely guides the blade. This feature prevents jiggling and bending of blade when feeding work severely, especially when cutting metal.

One-piece cold forged steel crankshaft runs in a long bearing. Slide designed for maximum strength and minimum weight. Crank block of bronze slides in its slot and gives machine smooth and easy action; it can be readily replaced at very little expense. Drive wheel $5\frac{1}{2}$ inches diameter, grooved for $\frac{1}{4}$ inch round or "V" belt. Holddown arm holds work firmly and is easily adjusted.

For cutting wood, bakelite, fiber, soft metals, celluloid, bone, etc. Will cut wood and similar material up to 1 inch in thickness, and soft metals up to $\frac{1}{8}$ inch. Correct speed of drive wheel should be between 300-350 R.P.M. Can be operated by hand, but for convenient and accurate work, we suggest the use of a small electric motor. Any constant speed motor 1/20 H.P. up to $\frac{1}{4}$ H.P. will drive saw very satisfactorily.

No. 10—With plain 8 inch frame for 5 inch pin end blades; with one fine and one coarse pin end blades and detachable wood handle; shipping weight 9 pounds..... Each \$6.00

One in a corrugated carton.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

NAIL HAMMERS

C. Hammond Brand



Adze Eye, Octagon Face and Neck

Highest grade forged cast steel, polished. Extra white hickory handle. Fully warranted.

Nos.	0172	0171	0170½
Size	2	1	0½
Weight, oz.	16	13	9
Each	\$1.50	1.45	1.40

C. Hammond Brand



Adze Eye, Bell Face

Highest grade forged cast steel, polished. Extra white hickory handle. Fully warranted.

Nos.	Size	Weight	Each
182	2	16 oz.	\$1.25
181	1	13 oz.	1.15
180	0	7 oz.	1.10
180B	000	4 oz.	1.05

Tacony Brand



Adze Eye, Plain Face

Forged from one piece of solid steel of good quality, polished. White hickory handle.

Nos.	Size	Weight	Each
1170	0	7 oz.	\$0.70
1171	1	13 oz.	.75
1172	2	16 oz.	.80
1173	3	20 oz.	.85

MACHINISTS HAMMERS

C. Hammond Brand

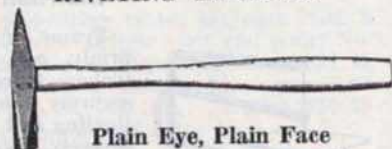


Ball Pein

Highest grade forged cast steel, polished. Extra white hickory handle. Fully warranted.

Nos.	Size	Weight	Each
280C	0000	6 oz.	\$0.90
280B	000	8 oz.	.90
280A	00	12 oz.	.90
280	0	1 lb.	.95
281	1	1¼ lb.	1.00
282	2	1½ lb.	1.10

RIVETING HAMMERS



Plain Eye, Plain Face

Forged steel, fully warranted.

Nos.	Weight, oz.	Each
3-0	1½	\$0.65
2-0	2	.70
0	3	.80
1	4	.85
2	6	1.00
3	8	1.05

TACK HAMMERS



Fine steel forging; warranted strong and permanent magnets.

No. 412—Polished head, 4 oz.; 12 inch handle.....Each \$0.95

Prices Subject to Market Changes

NAIL HAMMERS

The Cheney Nailer



Adze Eye, Bell Face

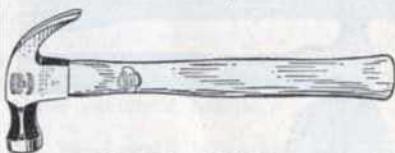
Nail holding carpenter's hammer. Nail holding arrangement consists of two metal points backed by stout springs. Points meet and hold the nail securely in place behind them. The spring arrangement allows the nail to be easily inserted and as easily removed, and the niche is so cut that great driving force is directed to head of nail. The placing blow often drives the nail half way in.

Nail holding device allows for one-hand nailing. Securely holds any nail up to 20 penny. Nails quickly inserted, securely held and release themselves. A safety factor for nailing in precarious position. Gives longer reach in placing nails. Saves time and extra scaffolding.

Full polished head; waxed, oval Never-Slip hickory handle.

No. 938—Size 11½; weight without handle 16 oz....Each \$1.50

Stanley



Adze Eye, Bell Face

A new and distinctive shape. Claws will reach across a 2x4 in. studding and are so bevelled that they will grip and pull a nail by the shank.

Drop forged special steel, carefully hardened and tempered. Chromium plated head. Selected hickory handle, multi-colored—painted in five colors, harmoniously blended together with a restful shade of green predominating. A beautiful tool, appropriate for gift purposes.

No. CP100 Plus—Weight 1¾ lbs.; length 13 inches....Each \$2.50

Plumb



Adze Eye, Bell Face

Special analysis steel, die forged; non-rusting black finish head; red stained hickory handle.

Nos.	Size	Weight	Each
HF80	11	20 oz.	\$1.60
HF81	11½	16 oz.	1.50
HF82	12	13 oz.	1.45
HF83	13	7 oz.	1.40
HF84	14	4 oz.	1.40

Prices Subject to Market Changes

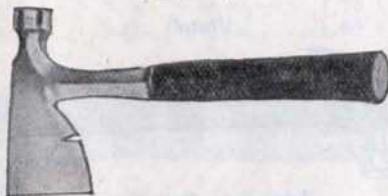
Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

SHINGLING HATCHETS**C. Hammond Brand****Adze Eye, Bell Pole**

Light pattern, solid, best refined solid crucible cast steel, full polished thin blade; fully warranted. Extra white hickory handle.

No.	26
Size	2
Cut, inches	3½
Weight, lbs.	1¼
Each	\$2.10

Note—Weights do not include handles.

HALF HATCHETS**Estwing**

Head and handle forged in one piece of high grade tool steel; leather grip.

Large head; thin bit, making cutting and regrinding easy. Has convenient nail slot.

No. E502—Size 2, cut 3¼ inches, length 14 inches; weight 2¼ pounds	Each \$2.25
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HALF HATCHETS**C. Hammond Brand****Adze Eye, Bell Pole**

Light pattern, solid, best refined solid crucible cast steel, full polished thin blade; fully warranted. Extra white hickory handle.

Nos.	45	46
Size	1	2
Cut, inches	3	3¼
Weight, lbs.	1	1¼
Each	\$2.00	2.10

Note—Weights do not include handles.

NAIL HAMMERS**Estwing****Curved Claw**

Head and handle forged in one piece of high grade tool steel; leather grip.

Standard size and proportion; hard, tough face; cutting temper in claw; "unbreakable" handle, 13 inches long.

Nos.	E112	E116
Weight head, oz..	12	16
Weight each, lbs..	1½	1¾
Each	\$2.00	2.00

Prices Subject to Market Changes

UPHOLSTERERS HAMMERS

Robertson



Horseshoe Magnet

The magnet will hold a tack or nail for driving anywhere within reach.

No. 712—Forged steel head, nickel plated; strong, permanent magnet; weight of head 7 oz.; 12 inch handle.....Each \$2.00

BOX TOOLS

Tomahawk



Four Tools in One

Hatchet, hammer, nail puller and box chisel; for use in store, office, warehouse or home; used for cutting, prying, nail pulling or hammering.

One piece drop forged steel, hardened and tempered; oval hardwood scale handle, securely riveted.

No. 99—Length 13 inches; weight 1½ pounds.....Each \$1.50

BOX CHISELS



Hand forged tool steel; broad face and mallet head, polished; black enameled handle.

Each

No. 80—Length 16 inches...\$1.45

COLD CHISELS

Octagon Body, Flat Nose



No. 1 Regular

Made from best tool steel especially for the purpose. Each chisel carefully shaped, perfectly straight and well finished.

Note—Order by diameter of stock.

Diam., Inch	Face, Inch	Length, Inch	Each
1/8	1/4	4	\$0.25
1/4	3/8	4	.25
1/2	3/8	4½	.25
3/8	1/2	5	.35
1/2	5/8	5¾	.45
5/8	3/4	6½	.60
7/8	1	8	.90

LONG COLD CHISELS

Octagon Body, Flat Nose



No. 1LS—Long

Made from best tool steel especially for the purpose. Each chisel carefully shaped, perfectly straight and well finished.

Note—Order by diameter of stock and length.

Diam., inches	¾
Face, inches	7/8
12 inches Long	Each \$0.70
18 inches Long	Each .90

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

MALLETS Hickory

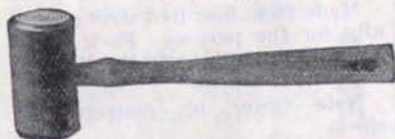


Round

Second growth hickory. The handle goes entirely through the head of the mallet and is securely wedged.

Nos.	00	0	1	2	3	4	5
Diameter of face, inches.	4	3 $\frac{3}{4}$	3 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{1}{4}$	2	1 $\frac{3}{4}$
Each	\$0.60	.50	.45	.40	.30	.25	.20

Rawhide

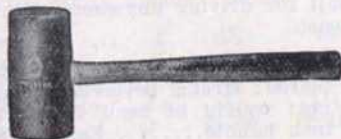


Solid Rawhide Heads, Hardwood Handles

Avoids battered up parts in assembling or repairing machinery. Rawhide being a non-conductor of electricity, it is especially adapted to electrical work. A machine shop necessity and useful for automobile repairs.

Nos.	Diam. Face In.	Length Face In.	Wt. Ozs.	Each
1	1 $\frac{1}{4}$	3 $\frac{1}{8}$	4	\$0.75
2	1 $\frac{1}{2}$	3 $\frac{1}{4}$	6	.90
3	1 $\frac{3}{4}$	3 $\frac{3}{8}$	8	1.00
4	2	3 $\frac{1}{2}$	10	1.30
5	2 $\frac{3}{4}$	4 $\frac{1}{4}$	22	2.85

Miller Composition



Miller Mallets are built for extra service. Laminated construction. Molded in one piece. Will outlast wood, rubber, rawhide and lead mallets.

Handles are second growth hickory of special design. The proper size and shape for hard and continued usage. Will not work loose and come off. Replaceable.

Especially valuable for sheet and metal workers, brass workers, machinists, machine assemblers, engineers, plumbers, electricians, printers, carpenters, automobile repairmen, garages, motorists, etc.

Nos.	8	16
Size, inches.....	2x3 $\frac{1}{2}$	2 $\frac{1}{2}$ x4 $\frac{1}{2}$
Wt. without handle, ounces	8	16
Each	\$0.90	1.20
No.	24	
Size, inches.....	2 $\frac{7}{8}$ x5 $\frac{1}{8}$	
Weight without handle, oz.	24	
Each	\$1.50	

Prices Subject to Market Changes

Fourth Avenue at 13th Street also at 57th Street—145-147 East

SINGLE BIT AXES

Kelly

Soft steel body, crucible steel bit, hand tempered, cutting edge honed. Handled with No. 1 elastic hickory handles.



Kelly "Flint Edge"
Connecticut Pattern, Plain Shape

Flint Edge—weight, lbs.....	3	4	5
Length of handle before driven, inches.....	32	34	36
Each	\$2.30	2.35	2.45



Kelly "Perfect," Connecticut Pattern, Beveled
Full polished and labeled, blue Kelly bevels;
length of handles 36 inches.

Perfect—weight, lbs.	4	5
Each	\$2.50	2.70

HOUSE AXES

Collins

Highest grade crucible tool steel with inserted hand forged tool steel cutting edge; short bent handle, length 19 inches, width of cut 4½ inches.

Collins—Weight with handle, lbs.....	2¾	3
Each	\$1.75	1.85

BOY SCOUT AXES

Plumb

Estwing



Exceptionally good blade—for the scout, huntsman and camper. Has one-piece forged and tempered steel head and hickory handle.

No. 682—With sheath; weight with handle 1½ lbs..Each \$1.90

For the boy scout, huntsman and camper the Estwing is an ax that never fails. Has leather grip. One-piece forged and tempered steel head and handle. Has all the newest features that boy scouts want.

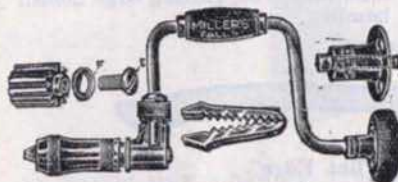
No. E524—With hide leather belt sheathEach \$2.25

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BIT BRACES

Millers Falls

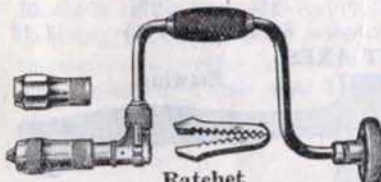


Improved Ratchet

Polished and nicked steel; cocobolo wood. Ball bearing head. Non-splitting, always free acting sweep handle with inserted steel rings and adjustable bearings clamped with screws. Covered ratchet teeth with exposed ratchet dogs. Patent cup washer and screw to hold chuck to sweep without working loose. Forged steel alligator jaws holding bit stock and many sizes of round and irregular shanks.

Nos.	Sweep, in.	Each
31	12	\$4.15
32	10	4.00
33	8	3.90
34	6	3.80

Millers Falls



Ratchet

Ebonized hardwood head and handle. Metal parts polished and nickel plated. Barber chuck, forged alligator jaws. Semi-boxed ratchet. Inserted metal rings in handle. Full steel clad ball bearing head, friction washer.

Nos.	1322	1323	1324
Sweep, inches..	10	8	6
Each	\$2.80	2.75	2.75

Yankee

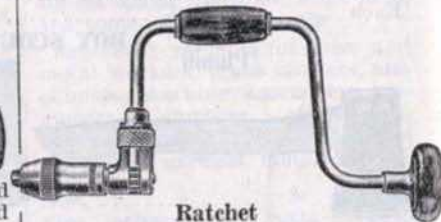


Ratchet

Has accurate, ball bearing chuck of new design with unusual grip. Firmly holds round, taper and square shank bits without loosening in use, yet releases easily. Capacity, $\frac{1}{2}$ inch round shanks; square shanks $\frac{5}{8}$ inch across corners. Dust-proof, moisture-proof ratchet works so easily, most bits start without holding chuck. Quick, positive shifter. Both handles of hard rubber, unbreakable and do not warp, shrink or swell. Ball bearing, steel clad head. Built and finished like a precision tool. Polished and nickel plated.

Nos.	2100/8	2100/10
Sweep, inches....	8	10
Weight each, lbs.	3	3 $\frac{1}{8}$
Each	\$7.35	7.50

M. F. Co.



Ratchet

Barber chuck, malleable alligator jaws; semi-boxed ratchet. Stained hardwood handle and head; inserted metal rings; head held by two wood screws; metal parts polished nickel.

No. 1610—Sweep 10 inches..	Each \$1.40
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Prices Subject to Market Changes

EXPANSIVE BITS

Russell Jennings

Solid
HeadScrew
Adjustment

Two Cutters

A passage way formed in the solid head takes the cutter which is adjusted by a worm in mesh with threads on cutter, which forms a rack. Pitch of adjusting screw is such that one complete turn changes diameter of hole $\frac{1}{8}$ inch, one-half turn changes diameter of hole $\frac{1}{16}$ inch, and so on. Creeping of cutter is prevented by clamping screw which holds worm and cutter firmly in position. Genuine crucible tool steel, full polished; tempered and sharpened cutter.

No. 71—With two cutters, cuts from $\frac{7}{8}$ to $2\frac{1}{2}$ inches; length over all $10\frac{1}{2}$ inches; weight each 8 ozs.....Each \$2.25

Extra Cutters for Russell Jennings Expansive Bits



No. 73— $\frac{7}{8}$ to $1\frac{1}{2}$ in..Each \$0.45 No. 72— $1\frac{1}{2}$ to $2\frac{1}{2}$ in..Each \$0.55

Clark Pattern



Two Cutters

Cast steel, polished; extra tool steel cutters, accurately tempered; adjusted by one screw; cutter is beveled on upper edge to hold it perfectly rigid and prevent slipping or creeping.

No. 1—Large, $9\frac{1}{2}$ inches long, with 2 cutters, one boring from $\frac{7}{8}$ to $1\frac{3}{4}$ inches, the other $1\frac{3}{4}$ to 3 inches; weight each 11 ozs..Each \$1.95

No. 2—Small, 8 inches long, with 2 cutters, one boring from $\frac{1}{2}$ to $\frac{7}{8}$ inches, the other $\frac{7}{8}$ to $1\frac{1}{2}$ inches; weight each 5 ozs..Each \$1.35

Extra Cutters for Clark Pattern Expansive Bits



Nos.	1	2	3	4
For bit, No.	2	2	1	1
Bores, inches.....	$\frac{1}{2}$ to $\frac{7}{8}$	$\frac{7}{8}$ to $1\frac{1}{2}$	$\frac{7}{8}$ to $1\frac{3}{4}$	$1\frac{3}{4}$ to 3
Each	\$0.25	.31	.44	.50

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

Hammacher, Schlemmer & Co.

AUGER BITS

Russell Jennings



No. 100—Forged Crucible Tool Steel

Oil tempered, polished twist and stem, natural finish shank, double spur and extension lip, double thread on screw, $4\frac{1}{2}$ inch twist, $8\frac{1}{2}$ inches over all.

Inches, in 16ths.....	3	4	5	6	7	8	9	10
Each	\$0.60	.50	.50	.50	.50	.50	.60	.60
Inches, in 16ths.....	11	12	13	14	15	16	17	18
Each	\$0.70	.70	.84	.84	.96	.96	1.20	1.20

AUGER BITS IN SETS

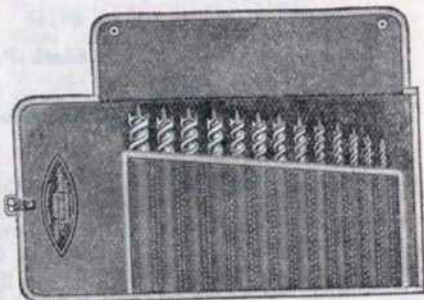
Russell Jennings



In Hardwood Box

No. 32½—Thirteen Bits, 32½ quarters; one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16ths; weight per set 5 pounds.....
.....Per Set \$9.35

No. 17—Seven Bits, 17½ quarters; one each 4, 6, 8, 10, 12, 14, 16/16ths; weight per set 3 poundsPer Set \$5.25



In Canvas Roll

No. 32½—Thirteen Bits, 32½ quarters; one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16ths; weight per set 3¼ pounds.....
.....Per Set \$9.35

No. 17—Seven Bits, 17½ quarters; one each 4, 6, 8, 10, 12, 14, 16/16ths; weight per set 2 poundsPer Set \$5.25

Prices Subject to Market Changes

Fourth Avenue at 13th Street also at 57th Street—145-147 East

BITS

Forstner

The Forstner labor-saving auger bit, unlike other bits, is guided by its circular rim instead of its center, consequently it will bore any arc of a circle and can be guided in any direction regardless of grain or knots, leaving a true, polished surface. It is preferable and more expeditious than chisel, gouge, scroll saw or lathe tool combined, for core boxes, fine and delicate patterns, veneers, screen work, scalloping, fancy scroll twist columns, newels, ribbon moulding, mortising, etc.



For Brace, Square Tapering Shank

Inches, 16ths.....	4	5	6	7	8	9	10	12	14	16
Length, inches....	6¼	6¼	6¼	6¼	6¾	6¾	6¾	7¼	7¼	7¾
Each	\$0.85	.85	.95	.95	1.00	1.09	1.09	1.23	1.33	1.62

For Machine, Round Shank ½x2 inches

Inches, 16ths.....	4	5	6	7	8	9	10	12	14	16
Length, inches....	5	5	5	5	5	5	5	5	5	5
Each	\$1.10	1.10	1.20	1.20	1.25	1.35	1.35	1.50	1.60	1.80

PLUG CUTTERS



Best Cast Steel, Carefully Tempered

No. 6080—Size, inches.....	¾	7/16	½	5/8	¾
Each	\$0.50	.50	.50	.50	.50

BIT GAUGES

Stanley Adjustable

Can be attached to any size bit up to 1 inch diameter. Two projections engage with the twist of the bit so it can be accurately set for the bit to bore to any depth desired. Stops on both sides of the bit insures it remaining up-right when desired depth is reached.



No. 49—Cast iron frame, nickel plated; length 2½ inches; weight each 7 oz. Each \$0.80

SCREW DRIVER BITS

Stanley



No. 26—Forged Crucible Steel

Oil tempered and polished. Points carefully formed and ground.

Point, inch	Length, inches	Wt. Each ounces	Each
¼	4½	1½	\$0.20
⅜	4¾	1¾	.22
½	5	2	.23
⅝	5	2½	.24
¾	5	2¾	.26

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

GIMLET BITS

Hand forged crucible steel, sharpened by hand, carefully hardened and oil tempered. Length over all, 4 to 6½ inches.

Inches, 32nds.....	2	3	4	5	6	7	8	9	10	11	12
Each	\$0.12	.12	.12	.12	.13	.13	.13	.15	.15	.17	.20

TWIST BITS FOR WOOD**No. 114A—With Bit Brace Shank**

Will fit any bit brace and are for use in wood only, but are not injured by accidental contact with nails, screws or other metals and can be kept sharp by grinding.

Size Nos.	Diam., inches	Length Over All, in.	Each	Size Nos.	Diam., inches	Length Over All, in.	Each
2	2/32	3½	\$0.18	9	9/32	7	\$0.31
3	3/32	4	.18	10	10/32	7½	.34
4	4/32	4½	.18	11	11/32	7¾	.36
5	5/32	5	.20	12	12/32	8	.39
6	6/32	5½	.23	14	14/32	8½	.45
7	7/32	6	.25	16	16/32	9	.53
8	8/32	6½	.28				

BIT STOCK DRILLS IN SETS**Wood Bits for Brace**

For use in wood only, but are not injured by accidental contact with nails, screws or other metals and can be kept sharp by grinding.

No. 13B—In dark green corduroy silk covered flat case, gold embossed; consists of seven sizes 4, 5, 6, 7, 8, 10 and 12/32 inch.
Per Set\$2.25

**For Metal or Wood**

Will drill steel, iron or other metals as well as wood. Not injured by contact with screws or nails; will bore straight any kind of wood without splitting it.

No. 14B—In leatherette covered flat case, green color, gold embossed; consists of seven sizes, ½, ¾, 1, 1¼, 1½ and 1¾ inch.
Per Set\$1.95

Prices Subject to Market Changes

TWIST DRILLS

Jobbers Straight Shank, Short Set

No. 108
Carbon SteelNo. 917
High Speed Steel

Diam., inches	Each		L'gth. Over All, in.	Diam., inches	Each		L'gth. Over All, in.
	Carbon Steel	High Speed			Carbon Steel	High Speed	
$\frac{1}{16}$	\$0.07	\$0.20	2 $\frac{1}{2}$	$\frac{1}{8}$	\$0.17	\$0.60	4 $\frac{3}{8}$
$\frac{3}{32}$	.07	.20	2 $\frac{5}{8}$	$\frac{1}{4}$	.18	.60	4 $\frac{1}{2}$
$\frac{1}{4}$	.08	.20	2 $\frac{3}{4}$	$\frac{3}{8}$	.20	.69	4 $\frac{5}{8}$
$\frac{5}{16}$	.08	.21	2 $\frac{7}{8}$	$\frac{1}{2}$	.21	.69	4 $\frac{3}{4}$
$\frac{3}{8}$	.08	.21	3	$\frac{5}{8}$	.24	.78	4 $\frac{7}{8}$
$\frac{7}{16}$	.08	.21	3 $\frac{1}{8}$	$\frac{3}{4}$	.26	.78	5
$\frac{1}{2}$	.08	.21	3 $\frac{1}{4}$	$\frac{7}{8}$	.27	.86	5 $\frac{1}{8}$
$\frac{9}{16}$	.08	.21	3 $\frac{3}{8}$	$\frac{15}{16}$	.30	.86	5 $\frac{1}{4}$
$\frac{5}{8}$	.09	.29	3 $\frac{3}{4}$	1	.33	1.00	5 $\frac{3}{8}$
$\frac{11}{16}$	.09	.29	3 $\frac{1}{2}$	1 $\frac{1}{8}$	.36	1.00	5 $\frac{1}{2}$
$\frac{3}{4}$	.10	.31	3 $\frac{5}{8}$	1 $\frac{1}{4}$	.40	1.08	5 $\frac{5}{8}$
$\frac{13}{16}$	.11	.31	3 $\frac{3}{4}$	1 $\frac{3}{8}$	.43	1.08	5 $\frac{3}{4}$
$\frac{7}{8}$	.12	.31	3 $\frac{7}{8}$	1 $\frac{1}{2}$	.44	1.15	5 $\frac{7}{8}$
$\frac{15}{16}$	.13	.42	4	1 $\frac{5}{8}$	.50	1.15	6
1	.14	.42	4 $\frac{1}{8}$				
1 $\frac{1}{8}$	.15	.52	4 $\frac{1}{4}$				
1 $\frac{1}{4}$	.16	.52					

Straight Shank Drills in Sets



Drills packed in wooden cylinder equipped with nickel plated cap which revolves so that the size drill wanted can be easily and quickly found.

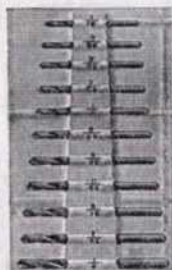
Sets consists of eight sizes, $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{1}{4}$ and $\frac{5}{8}$ inch.

Home and Farm Drill Set

No. 26—Carbon Steel; for use in the home, on the farm, for radio repairs and minor automobile work; will fit any standard hand, breast, post or bench drill. Per Set\$1.35

Mechanics' Drill Set

No. 57—Hi-Speed Steel; for use in the smaller sizes of electric drills by auto repair shops, small machine shops, farms, vocational schools and by owners of portable electric drills....Set \$2.60



Drills roll into flat package which fits into vest pocket envelope of tough non-tearing material.

The package keeps them in perfect condition—ready for instant use with no mussing around in the tool box for missing sizes.

Radio Set

The range of sizes in this set particularly appeals to the mechanic as they are a good selection for use in hand and breast drills.

No. 22—11 sizes, one each $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{8}$ and $\frac{1}{2}$ inch.....Set \$1.00

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COUNTERSINKS**Rose Head**

For wood or soft metal. Forged steel, polished shank, milled head.

No. 315—Size, in. . . $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$
Each\$0.30 .30 .36

**Bit Stock**

The included angle at point is 82°. Will furnish 60° or 80° angle when specified.

No. 115C—Diameter $\frac{5}{8}$ inch;
length over all $4\frac{1}{4}$ inches.
Each\$1.00

**Machine**

Shank $\frac{1}{2}$ inch diameter x $2\frac{1}{4}$ inches long. The included angle at point is 60°. Will furnish 80° or 82° angle when specified.

No. 115A—Diameter $\frac{5}{8}$ inch.....
Each\$1.00

NAIL SETS**No. 10—Round Body**

Twist drill steel, tempered ends, knurled body, blued finish, cupped point.

Point, inch. . . $\frac{3}{32}$ $\frac{1}{16}$ $\frac{3}{32}$ $\frac{1}{8}$
Each\$0.12 .12 .12 .12

REAMERS

For wood or soft metal. Length 4 inches; taper from $\frac{1}{2}$ to $\frac{1}{8}$ inch. Bit brace shank.

**Square**

No. 40—Ground concave....\$0.35

**Six Flutes**

No. 142—Size 1.....\$0.65

CENTER REAMERS**No. 125A—No. 1—Carbon Steel**

The included angle is 60° unless otherwise ordered. Center reamers with 72° or 80° included angle will be furnished at regular price.

Note—In ordering give diameter of both shank and body.

Diameter, Shank, in.	Diameter Body, in.	Each
$\frac{1}{16}$	$\frac{1}{4}$	\$0.35
$\frac{1}{4}$	$\frac{3}{8}$	.40
$\frac{3}{8}$	$\frac{1}{2}$	.46
$\frac{1}{2}$	$\frac{5}{8}$	.75
$\frac{3}{4}$	$\frac{3}{4}$	.97

Prices Subject to Market Changes

GRINDING WHEELS

Aloxite



Made of highest grade materials and furnished in grades most commonly used. Especially adapted for electric drills and grinders.

Dia. in.	Face in.	Hole in.	Grain No.	Grade No.	Each
4	1/2	1/2	60	J	\$0.68
6	1/2	1/2	40	J	1.16
6	1/2	1/2	60	J	1.16
10	1	1	36	J	3.60
10	1	1	60	J	3.60
10	1 1/2	1 1/4	24	H	4.90
10	1 1/2	1 1/4	40	J	4.90

WIRE WHEEL BRUSHES

For Cleaning and Polishing



Rigid and compactly made having more wires per square inch of brush surface than the average wheel. Wires being tightly compressed give greater wearing strength to brush. Have interchangeable bushings which slip into the 2 inch standard size opening and adjust to fit any size spindle.

Arbor bushings can be furnished with 1/2, 5/8, 3/4, 7/8 or 1 inch arbor hole.

Note—Be sure to specify diameter of arbor hole bushings.

Nos.	153	152	151
Diameter, inches	8	10	12
Width, inches...	1 1/2	1 3/4	2
Each	\$3.00	4.80	6.00

BUFFING WHEELS



Meets the need for a light, portable buffer for polishing a number of different objects that have formerly necessitated hand work.

Buffing Wheel—18 ply section; diameter 6 inches; 3/8 inch arbor hole.....Each \$0.15

HIGH SPEED HOLE SAWS

For Use with Millers Falls Electric Drills
Nos. 312, 612, 658, 634, 734



Designed especially for fast cutting at electric drill speeds. Blades of 18% Tungsten high speed steel.

Simple construction, saw replaced readily. Shanks for sizes 1 1/4 inches and up made with three flat surfaces which prevent slipping in drill chuck.

Cup and Saw

Saw Size,			Saw Size,		
No.	in.	Each	No.	in.	Each
12	3/4	\$1.45	36	2 1/4	\$2.20
14	7/8	1.45	40	2 1/2	2.20
18	1 1/8	1.45	44	2 3/4	2.20
20	1 1/4	1.45	46	2 7/8	2.20
24	1 1/2	1.45	48	3	2.20
28	1 3/4	1.80	56	3 1/2	2.20
32	2	1.80			



Mandrels with Pilot Drill

For Millers Falls high speed hole saws.

Nos.	1218	2054
For saws, in. . .	3/4 to 1 1/8	1 1/4 to 3 1/2
Each	\$1.00	1.00

ARBORS



Polished steel, convenient for holding saws, wire brushes, buffing wheels, etc. in lathes, drill chucks, electric drills and motors.

No.	Shank, in.		Open. Betw. Flanges, in.		Each
748	4	x 1/4	1/2	3/8	\$1.00
321	4	x 3/8	1/2	3/8	.80
322	4 3/4	x 1/2	1/2	1/2	.80

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BREAST DRILLS**Millers Falls****Two Speeds**

This drill has been a standard for many years. It is built along simple lines yet has every feature essential to good drilling. It is a "full service" drill at a moderate price.

Specifications

Chuck—three jaw. Improved protected springs.

Gear ratio even and 3 to 1. Changed by pressing spring and shifting large gear.

Annular ball bearing spindle, as well as ball thrust bearing, with take up nut to provide for wear.

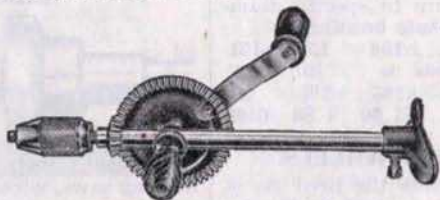
Frame has hand hold for steadying tool.

Handles—stained hardwood. Crank handle extensible. 4 to 6 in. radius.

Cut gears. Pinion of steel. Idler roll to equalize bearing. Adjustable breast plate.

Frame malleable iron enameled black. Level attached. Large gear enameled red. Other metal parts nicked.

No. 118—Capacity 0- $\frac{1}{2}$ inch round shanks; length 17 $\frac{1}{2}$ inches; weight each 6 $\frac{1}{2}$ pounds.....Each \$5.70



This breast drill has been designed for those who want a sturdy tool that will give a lot of service at a reasonable price. It has a solid steel frame, nickel plated with stained hardwood crank and side handle. The breast plate is black and the large gear red. This drill has a three-jaw chuck with protected springs. Single speed cut gears and steel pinion.

No. 3000—Capacity 0- $\frac{3}{8}$ inch round shanks.....Each \$1.50

Prices Subject to Market Changes

HAND DRILLS**Yankee Ratchet**

Can be adjusted by a shifter on cylinder; with slide in first notch the tool is a plain drill; in second, a left hand ratchet; in third, a right hand ratchet; in fourth, a double ratchet; in fifth, drill is locked to adjust chuck.



Single speed, with right and left hand and continuous ratchet movement. Dead black finish. Malleable iron frame, steel spindle, cut gears, $4 \times 1\frac{1}{2}$ inch detachable hollow hardwood handle.

No. 1530— $10\frac{1}{2}$ inches long, three-jawed chuck holding up to $\frac{3}{8}$ inch round shanks only, without drill points, weight each $1\frac{1}{4}$ pounds.. Each \$4.50

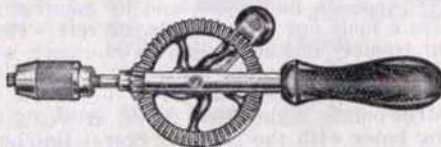
Yankee Plain

No. 1430—Same as No. 1530, except without ratchet movement.....Each \$3.20

Millers Falls, Complete with Drill Points

Enameled iron frame, red large gear, nickel plated parts, cut gears with adjustable equalizing bearing, ball thrust bearing, hollow cocobolo handle with screw cap containing eight ($\frac{7}{8}$ to $\frac{1}{4}$ inch) drill points. Detachable side handle.

No. 1— $12\frac{1}{2}$ inches long, three-jawed chuck holding 0 to $\frac{3}{8}$ inch round shanks, weight each $1\frac{1}{4}$ pounds.....Each \$3.00

**Millers Falls, without Drill Points**

This hand drill is made in the usual Millers Falls style and designed to give long satisfactory service over a period of years. It has a solid steel frame and three-jaw chuck. Single speed cut gears and steel pinion. The main handle is solid stained hardwood. The frame and chuck are nickel plated and the large gear is painted red.

No. 2500—Capacity 0 to $\frac{1}{4}$ inch round shanks making it useful for all round workEach \$0.85

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

AUTOMATIC DRILLS

Yankee



- No. 41—11 $\frac{3}{8}$ inches long with drill point, steel and brass construction, nickel plated, magazine in handle for holding drill points, complete with 8 drill points, $\frac{1}{8}$ to $\frac{1}{4}$ inch, weight each 11 ounces..Each \$2.30

Millers Falls



- No. 841—This popular priced automatic drill is constructed of steel heavily nickel plated with an orange handle and fits the hand comfortably; a magazine in the handle contains eight drill points; chuck is the improved type and holds drill points firmly; length over all 10 $\frac{1}{4}$ inches; weight 9 oz.....Each \$1.20

RATCHET SCREW DRIVER TOOL SET

Yankee



Put up in substantial and well finished boxes for use by mechanics who desire to keep tools in fine order, and by amateur mechanics who especially appreciate tools put up in handsome sets. The box, which is made of oak, handsomely finished, contains one each of the following "Yankee" tools:

- No. 30A Spiral Ratchet screw driver.
- Chuck, with drill points, eight sizes, $\frac{1}{16}$, $\frac{5}{64}$, $\frac{3}{32}$, $\frac{7}{64}$, $\frac{1}{8}$, $\frac{9}{64}$, $\frac{5}{16}$, $\frac{11}{32}$ inch, to use for drilling holes with the No. 30A Spiral Ratchet screw driver. Countersink to use in same tool.
- No. 11 Ratchet screw driver, with blade 6 inches long.
- No. 15 Ratchet screw driver, with finger turn on blade, with blade 3 inches long.

Set covers all the usual requirements in tools for driving and drawing out screws. The tools are easily removed from box, and when it is closed are held firmly in place.

Per Set

- No. 100—Size of box 12 $\frac{1}{2}$ x4 $\frac{3}{4}$ x2 $\frac{3}{4}$ inches; weight 3 $\frac{1}{4}$ pounds....\$7.70

Prices Subject to Market Changes

SCREW DRIVERS**Yankee Improved Spiral Ratchet**

Nickel plated parts, polished hardwood handle, with 3 sizes of bits.



**Regular Pattern, Right
or Left Hand
and Rigid**

Nos.	30A	31A
Length extended, inches	19 1/4	26 1/4
Length closed, inches	13 1/2	17 1/2
Weight, pounds	1 1/8	1 3/4
Each	\$2.65	3.60

Light Pattern, Right or Left Hand and Rigid

No. 35—Length with bit in chuck when closed 9 1/8 inches; full length when extended 12 3/8 inches; with 3 sizes of straight bits, weight 1/2 pound Each \$2.00

Yankee Quick Return Spiral Ratchet

Nickel plated parts, polished hardwood handle, with 3 sizes of bits



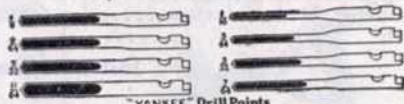
**Right or Left Hand
and Rigid**

Regular Nos. 30A and 31A Yankee Screw Drivers with spring in handle, which causes handle to come back for the next push, in driving screws in and out. More rapid as well as convenient in practical use, than pulling the handle back.

Nos.	130A	131A
Length extended, inches	20 1/2	28
Length closed, inches	15	19 1/2
Weight, pounds	1 3/8	1 3/4
Each	\$3.05	4.10

YANKEE CHUCKS WITH DRILL POINTS

For Use with Yankee Spiral Ratchet Screw Drivers



Chuck showing drill point in position to be inserted into chuck of driver.

Drill Sets with Chuck

No. 30C—8 drill points, 1/8 to 1 1/4 inch, for Nos. 30A and 130A screw drivers	Set \$0.95
No. 31C—8 drill points, 1/8 to 1 1/4 inch, for Nos. 31A and 131A screw drivers	Set \$0.95
Chucks only	Each .15

YANKEE SCREW HOLDER AND BIT

A longer bit than regular, with holder attached to hold screw. When screw is driven in place the jaws open as the head of screw sinks into wood.

No. 30—For Nos. 30A and 130A Screw Drivers..... Each \$0.55

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

SCREW DRIVERS

Yankee Ratchet



Right and Left Hand and Rigid

Forged cast steel bits, tempered, ground and polished. Other metal parts nickel plated and buffed. Polished hardwood handles. Construction of ratchet and pawls is such that neither can bend, break, wear nor get out of order.

Adjustment for right or left hand is made by slide moved in direction of length of blade.

No. 10—Length blade, inches...	2	3	4	5	6
Each	\$0.58	.72	.77	.85	.95

Genuine Champion

Every blade tested to split a screw head. The blade is forged from the toughest steel, tempered with great care, and shrunk into a solid malleable bolster which rests in heavy ferrule, while tang (which forms a part of the bolster) enters and passes nearly through the handle.



Regular Blade

Polished steel blades; cherry stained fluted hardwood handles; polished steel ferrules.

Length blades, inches	2½	3	4	5	6	8	10	12
Diam. blades, inches	⅞	⅞	¾	⅞	⅞	¾	⅞	⅞
Each	\$0.32	.38	.40	.42	.48	.60	.75	.90

Slim Blade

Length blades, inches.....	3½	4½	5½	6½
Diameter blades, inches.....	⅞	⅞	⅞	⅞
Each	\$0.35	.35	.45	.50

Insulated Handle



Electrically tempered polished blade, round shank. Friction grip handle, moulded of a tough product, completely insulated against electricity; moulded over flanges on blade that absolutely prevent blade from turning or twisting. No metal ferrule to shock, rust-cut or bruise the hand.

Dura Driver

Nos.	DD30	DD25	DD20
Diameter of blade and width at point, in...	¾	¾	⅞
Length of blade, inches.....	3	4½	6
Length over all, inches.....	6¾	8½	10¾
Each	\$0.15	.15	.15

Prices Subject to Market Changes

IRON BENCH PLANES

Bailey Adjustable

Rosewood handles and knobs. Cutters adjustable endwise, sidewise.

Smooth Bottoms



Smooth Plane

Nos. ...	1	2	3	4	4½
Lgth, in. 5½	7	8	9	10	
Cut., in. 1¼	1½	1¾	2	2½	
Each ...	\$2.50	3.10	3.25	3.40	3.90

Jack Plane

Nos.	5	5½	5¾
Length, inches. 14	11½	15	
Cutter, inches. 2	1¾	2¼	
Each	\$3.90	3.50	4.50

Fore Plane

No. 6—Length 18 inches; 2¾ inch Cutter.....	Each \$5.05
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Jointer Plane

Nos.	7	8
Length, inches....	22	24
Cutter, inches....	2¾	2¾
Each	\$5.75	6.90

Corrugated Bottoms



Smooth Plane

Nos.	3C	4C
Length, inches....	8	9
Cutter, inches....	1¾	2
Each	\$3.30	3.60

Jack Plane

Nos.	5C	5½C
Length, inches....	14	15
Cutter, inches....	2	2¼
Each	\$4.10	4.75

Fore Plane

No. 6C—Length 18 inches; 2¾ inch Cutter	Each \$5.25
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Jointer Plane

Nos.	7C	8C
Length, inches....	22	24
Cutter, inches....	2¾	2¾
Each	\$6.05	7.20

Prices Subject to Market Changes

Bed Rock

Rosewood handles and knobs. Cutters adjustable endwise, sidewise.

Smooth Bottoms



Smooth Plane

Nos.	602	603	604
Length, inches. 7	8	9	
Cutter, inches. 1¾	1¾	2	
Each	\$3.35	3.40	3.75

Jack Plane

No. 605—Length 14 inches; 2 inch Cutter.....	Each \$4.30
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Fore Plane

No. 606—Length 18 inches; 2¾ inch Cutter.....	Each \$5.55
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Jointer Plane

Nos.	607	608
Length, inches....	22	24
Cutter, inches....	2¾	2¾
Each	\$6.30	7.50

Gage Self-Setting



The plane iron, if taken out to be honed or sharpened goes back in exactly the same position as before removal. Plane cap when taken out to allow removal of cutter likewise goes back in the same position. Plane iron consists of three pieces and can be made either single or double iron as desired for various kinds of work.

Smooth Plane

No. G4—Length 9 inches; 2 inch Cutter.....	Each \$3.60
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Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

IRON BLOCK PLANES

Stanley "Bailey" Adjustable

Cutters adjustable endwise and sidewise and rest on their seats at an angle of 20°. Throats adjustable for coarse or fine work. Fitted with "Hand-y" feature.



Japan Trimmings

Nos.	9½	15
Length, inches....	6	7
Cutter, inches....	1½	1¾
Each	\$1.75	1.90



Nickel Trimmings

Nos.	16	17
Length, inches....	6	7
Cutter, inches....	1½	1¾
Each	\$2.00	2.15



Knuckle Joint Lever

Fitted with a new and patented form of lever or cap called "knuckle joint," which, being entirely of steel, is practically indestructible.

Nickel Plated Trimmings

Nos.	18	19
Length, inches....	6	7
Cutters, inches....	1½	1¾
Each	\$2.35	2.50

Stanley Adjustable

For those desiring a plane for ordinary work that does not require that the tool be frequently adjusted, we strongly recommend this line.



Lever Adjustment

No. 103 is for light work. The cutter is adjustable endwise. The bottom is ground true and the sides neatly japanned.

No. 103—Length 5½ inches; 1¾ inch cutter.....Each \$0.90



Lever Adjustment

No. 120 is similar in design to the No. 103, having the same form of cutter adjustment and cutter fastening device. However, in this plane the sides are ground. Rosewood knob.

No. 120—Length 7 inches; 1¾ inch cutter.....Each \$1.30



Screw Adjustment

No. 220 is in many ways better adapted for average use than any of the cheaper block planes made. It is ground on both bottom and sides. The cutter is fastened by a lever and cam, and is adjustable endwise. Rosewood knob.

No. 220—Length 7 inches; 1¾ inch cutter.....Each \$1.35

Prices Subject to Market Changes

IRON BLOCK PLANES

Stanley Non-Adjustable

For those desiring a plane for ordinary work that does not require that the tool be frequently adjusted, we strongly recommend this line.



No. 100



No. 101

Japanned

Handy little planes for household use and many mechanics carry one in their kits for odds and ends of light work. No. 100 has an iron handle.

Nos.	100	101
Length, inches.....	3½	3½
Cutter, inches.....	1	1
Each	\$0.45	.35



Japanned

A light, serviceable plane, 5½ inches long. The bottom is ground and the sides japanned.

No. 102—Length 5½ inches; 1½ inch cutter.....Each \$0.70



Japanned Trimmings

The most popular of all the non-adjustable block planes. Both the bottoms and sides are ground and in place of the boss on the front for a finger rest, it has a rosewood knob.

No. 110—Length 7 inches; 1½ inch cutter.....Each \$0.90

Stanley Adjustable



Japanned Trimmings

Designed especially for manual training use. It is fitted with the "Hand-y" feature. The cutter is secured in its place by a lever fastened with a cam. Cutter adjustable endwise. Rosewood knob.

No. 203—Length 5½ inches; 1½ inch cutter.....Each \$1.20

Stanley Double End Non-Adjustable



Japanned Trimmings

Has two slots and two cutter seats. The center seat and slot to be used for ordinary block plane work, the other slot and seat for use when it is desired to work same as a bull nose plane. Hardwood knob.

No. 130—Length 8 inches; 1½ inch cutter.....Each \$1.35

Stanley Non-Adjustable Bull Nose



Japanned

No. 101½—Rosewood knob; length 3½ inches; width of cutter 1 inch; weight ¾ pound.
Each\$0.35

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BLOCK AND RABBIT PLANES

Stanley Adjustable

**Japanned Trimmings**

The detachable side will easily change this tool from a Block Plane to a Rabbit Plane, or vice versa. The cutter is set on a skew and is adjustable endwise. Rosewood knob.

No. 140—Length 7 inches; $1\frac{1}{4}$ inch cutter; weight $1\frac{1}{2}$ pounds.

Each\$2.30

CABINET MAKERS EDGE PLANES

Stanley Adjustable

**Japanned Trimmings**

For piano makers and all cabinet workers. Has cutter resting on solid bed practically its entire length. Cutting edge being located at extreme end of plane, gives the tool the form of a chisel. No other plane can be worked in such a small space or so close up into corners. Cutter adjustable endwise. Rosewood knob.

No. 97—Length 10 inches; $2\frac{1}{4}$ inch cutter; weight $3\frac{3}{4}$ pounds.

Each\$3.60

BULL NOSE RABBIT PLANES

Stanley

**Japanned**

Very useful for working close up into corners or other difficult places. The mouth can be adjusted to different widths by means of the set screw on top of the plane.

No. 75—Length 4 inches; 1 inch cutter; weight $\frac{5}{8}$ lb. Each \$0.60

EDGE TRIMMING PLANES

Stanley

**Japanned**

For trimming or smoothing edge of boards for square or close fit. Cutter works on a skew. Wood blocks of various bevels may be attached enabling user to make slanting cut.

No. 95—Length 6 inches; $\frac{7}{8}$ inch cutter; weight each $1\frac{1}{4}$ pounds.

Each\$1.55

SCRUB PLANES

Stanley

**Japanned**

For planing down to a rough dimension any board that is too wide to conveniently rip with a hand saw, an operation that is sometimes called "hogging." This is made possible by reason of the shape of the extra heavy cutter, the cutting edge of which is round instead of square. Handle and knob of beech.

Nos. 40 40 $\frac{1}{2}$

Length, inches.... 9 $\frac{1}{2}$ 10 $\frac{1}{2}$

Cutter, inches.... 1 $\frac{1}{4}$ 1 $\frac{1}{2}$

Weight, lbs..... 2 $\frac{1}{8}$ 2 $\frac{1}{2}$

Each\$1.95 2.60

CIRCULAR PLANES

Stanley

**Japanned**

Flexible steel face, adjustable for planing inside or outside of circle. Cutter adjustable endwise and sidewise. Face fastened at each end to body, and adjusted by screw at center.

Design of frame provides convenient and firm handles for both hands.

No. 20—Length 10 inches; $1\frac{1}{4}$ inch cutterEach \$7.50

Prices Subject to Market Changes

SIDE RABBIT PLANES

Stanley



No. 98



No. 99

Nickel Plated

Made in two styles, No. 98 for right hand work and No. 99 for left hand work.

These will be found to be very convenient for side-rabbiting in trimming dados, mouldings and grooves of all sorts. A reversible nose-piece gives the tool a form whereby it will work close up into corners when required. Fitter with depth gauge. Rosewood knobs.

Right Hand

No. 98—Length 4 inches; $\frac{1}{2}$ inch cutter; weight $\frac{1}{2}$ pound.

Each\$1.75

Left Hand

No. 99—Length 4 inches; $\frac{1}{2}$ inch cutter; weight $\frac{1}{2}$ pound.

Each\$1.75

RABBIT PLANES

Stanley Handled

**Japanned Iron Stock**

Will lie flat on either side and can be used with right or left hand while planing into corners or up against perpendicular surfaces. Fitted with a spur for working across the grain and detachable depth gauge.

Nos.	190	192
Length, inches.....	8	8
Cutters, inches.....	1½	1
Weight each, pounds.	2½	2
Each	\$2.30	2.10

Prices Subject to Market Changes

SIDE RABBIT PLANES

Stanley

**Nickel Plated**

Convenient for side rabbiting, in trimming dados, mouldings and grooves of all sorts. Reversible nose piece allows it to be worked up into close corners when required.

No. 79—Length 5½ inches; $\frac{1}{2}$ inch cutters; weight 1 pound.

Each\$2.00

CABINET MAKERS RABBIT PLANES

Stanley



No. 90

No. 92, 93, 94

Nickel Plated

For fine cabinet or other work where extreme accuracy is required. Both sides are square with bottom; sides and bottoms are machine ground. Will lie perfectly flat on either side and can be worked either right or left hand. Width of throat opening or mouth adjustable so that it can be widened or narrowed as coarse or fine work may require. Cutters adjustable endwise. By removing the front a chisel plane is obtained. "Hand-y" feature.

No. 90—Length 4 inches; 1 inch cutter; bull nose pattern, can be used close up into corners or other difficult places; weight 1 pound.....Each \$3.25

Nos.	92	93	94
Length, inches.	5½	6½	7½
Cutter, in.....	¾	1	1¼
Weight, pounds	1½	1¾	2
Each	\$3.25	3.85	4.45

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DUPLEX RABBIT AND FILLETSTER PLANES

Stanley



Japanned, Nickel Trimmings

Has two seats for the cutter, one for regular, the other for bull-nose work. Also a spur and a removable depth gauge. The adjustable fence can be used on either side of the plane and slides under the bottom for regulating the width of the cut. The rear cutter is adjustable endwise. To work as a rabbit plane, remove fence and arms.

No. 78—Length $8\frac{1}{2}$ inches; $1\frac{1}{2}$ inch cutter; weight 3 pounds.
Each\$2.65

IRON DADO PLANES

Stanley



Japanned, Nickel Trimmings

Will keep true even in the narrowest widths. They have skew cutters, an adjustable depth gauge, and two adjustable spurs.

No. 39—Length 8 inches

Cutter, Inches	Weight, Lbs.	Each
$\frac{1}{4}$	$1\frac{3}{4}$	\$2.40
$\frac{1}{2}$	$1\frac{7}{8}$	2.70
$\frac{3}{4}$	2	3.00
$\frac{7}{8}$	$2\frac{3}{8}$	3.10
1	$2\frac{1}{2}$	3.25

WEATHER STRIP PLOW PLANES

Stanley



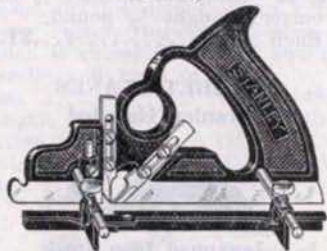
Japanned, Nickel Trimmings

Especially designed for weather stripping work. Also adapted for all plow work within its limits. Fitted with depth gauge and adjustable fence. Complete with 7 cutters— $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, and $\frac{5}{8}$ inch wide.

No. 238—Length $7\frac{1}{2}$ inches; weight $1\frac{7}{8}$ pounds..Each \$4.85

SPECIAL DADO PLANES

Stanley



Japanned, Nickel Trimmings

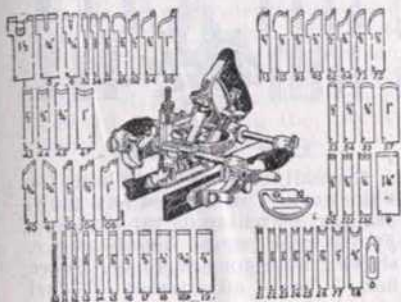
For blind wire grooving as well as for many other purposes. Fitted with double spur, prevents splintering; depth gauge allows groove to be cut up to limit of plane— $\frac{1}{2}$ inch. Adjustable fence.

No. 239—Length $7\frac{1}{2}$ inches
Cutter, inches..... $\frac{1}{8}$ $\frac{3}{8}$
Weight, lbs..... $1\frac{1}{2}$ $1\frac{5}{8}$
Each\$3.50 3.80

Prices Subject to Market Changes

COMBINATION PLANES

Stanley "Fifty-Five" Plane



"A Planing Mill Within Itself"

In addition to being a beading and center beading plane, a plow, dado, rabbet, filletster, and match plane, a sash plane and a slitting plane, is also a superior moulding plane, and will accommodate cutters of almost any shape and size.

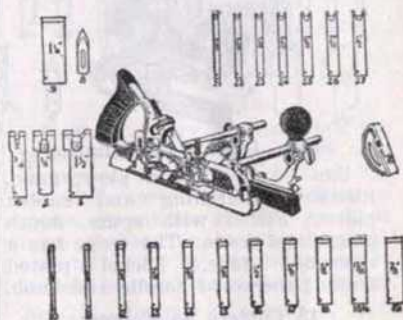
Main fence has lateral adjustment for extra fine work. Fences can be used on either side of plane, and the rosewood guides can be tilted to any desired angle up to forty-five degrees. Second fence can be reversed for center beading wide boards.

Fitted with spurs for working across the grain, and a special cam rest to steady the plane when working in certain positions.

Metal parts nickel plated; handle and fences of rosewood, every part well finished.

No. 55—With 55 cutters; packed in a neat substantial box; weight 15 pounds...Each \$23.40

Stanley "Forty-Five" Plane



"Seven Tools in One"

This well known and useful tool in reality combines seven planes in one in a compact and practical form—beading and center beading plane, plow, dado, rabbet and filletster, match plane, sash plane, slitting plane.

Fence has lateral adjustment for extra fine work and can be attached to either side of plane.

Fitted with spurs for working across the grain, and a special cam rest to steady the plane when working in certain positions.

Following cutters included—11 plow and dado, 7 beading, 1 filletster, 1 sash, 2 match and 1 slitting; also two sets of arms, one set $4\frac{1}{4}$ inches long, one set $8\frac{1}{4}$ inches long. Metal parts nickel plated; handle, knob and fence of rosewood.

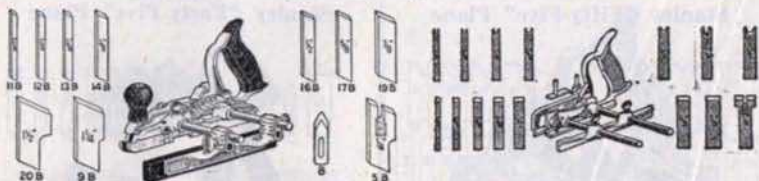
No. 45—With 23 cutters; packed in a neat, substantial box; weight $9\frac{1}{2}$ pounds...Each \$11.90

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COMBINATION PLANES

Stanley

**Skew Cutter Combination**

Can be used as a plow, dado, filletster, matching and rabbet plane. Fitted with spurs, depth gauge and fence. The fence has a rosewood face. Nickel plated frame; rosewood handle and knob.

12 Cutters as Follows:

Plow and Dado, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{7}{8}$, $1\frac{1}{4}$ inch.

Filletster, $1\frac{1}{2}$ inches.

Tonguing, $\frac{1}{4}$ inch and one slitting cutter.

No. 46—Length $10\frac{1}{2}$ inches; weight $5\frac{3}{4}$ lbs.....Each \$8.95

Light Combination

A small combination plane for light work. Can be used as a plow, beading, matching or rabbet plane. Fitted with spurs, depth gauge, shaving deflector and fence. Fence has 5 inch adjustment. Nickel plated frame.

15 Cutters as Follows:

Plow and Dado, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{7}{8}$ inch.

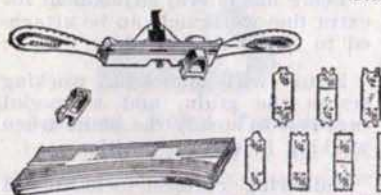
Beading, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$ inch.

Tonguing— $\frac{1}{4}$ inch.

No. 50—Length $9\frac{1}{4}$ inches; weight $3\frac{3}{4}$ pounds.....Each \$7.00

HAND BEADERS

Stanley

**Nickel Plated**

For beading, reeding or fluting straight or irregular surfaces—also adapted for light routing. It is fitted with two gauges; one for straight, the other for curved work.

The sample illustrated shows some of the work that can be done.

With each tool are furnished 8 cutters, sharpened at both ends and embracing the following assortment:

6 Single Beads— $\frac{1}{8}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$ inch.

2 Fluting Tools— $\frac{1}{8}$, $\frac{1}{4}$ inch.

4 Reeding Tools—(2 beads $\frac{1}{4}$ inch, 2 beads $\frac{5}{16}$ inch, 3 beads $\frac{3}{8}$ inch, 4 beads $\frac{1}{2}$ inch).

2 Routers— $\frac{1}{8}$ and $\frac{1}{4}$ inch.

1 $\frac{5}{8}$ inch Blank, which can be filed as desired.

No. 66—Length $11\frac{1}{2}$ inches; weight $1\frac{3}{8}$ pounds.....Each \$1.60

Prices Subject to Market Changes

ROUTER PLANES

Stanley

For surfacing the bottom of grooves or other depressions parallel with the general surface of the work. The bottoms are designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on large openings.

Three cutters are furnished: $\frac{1}{4}$ and $\frac{1}{2}$ inch router cutters and a patented (3 piece) "V" or smoothing cutter. Nickel plated iron frame, maple knobs.



No. 71



No. 71 1/2

Open Throat

Cutters are adjustable and can be held on the front of the cutter post for regular work, or on the back for bull-nose work. An attachment for closing the throat, for use on narrow surfaces and regulating depth of cut, is furnished.

No. 71—Length $7\frac{1}{2}$ inches; weight $2\frac{5}{8}$ pounds..Each \$3.30

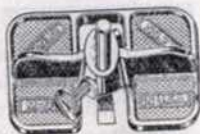
Closed Throat

Cutters are adjustable and can be held on the front of the cutter post for regular work or on the back for bull-nose work.

No. 71 1/2—Length $7\frac{1}{2}$ inches; weight $2\frac{1}{8}$ pounds..Each \$2.55

ROUTER PLANES

Stanley



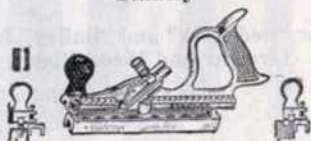
Small Size

Useful on very narrow work for pattern and cabinetmakers, also carpenters in letting in lock plates, etc. So constructed that either a closed throat for regular work or open throat for bull nose work, it can be had. By reversing cutter it can be used as a depth gauge.

No. 271—Length 3 inches; $\frac{1}{4}$ inch cutter; nickel plated; case hardened thumb screw; weight $\frac{3}{4}$ poundEach \$0.60

TONGUE AND GROOVE MATCH PLANES

Stanley



Swinging Fence

Furnished with two plow cutters of same width and one extra wide cutter. Fence can be set to expose either two cutters for cutting tongues, or reversed to leave only one exposed for cutting grooves. Extra wide cutter used for cutting tongues when boards are too thick for the smaller cutters.

Nos.	48	49
Length, inches....	$8\frac{3}{4}$	8
Cuts grooves, in....	$\frac{1}{8}$	$\frac{1}{8}$
On boards, in....	$\frac{3}{4}$ — $1\frac{1}{4}$	$\frac{1}{2}$ — $\frac{3}{4}$
Centers on, inches.	$\frac{7}{8}$	$\frac{1}{2}$
Weight, pounds....	$2\frac{1}{2}$	$2\frac{1}{8}$
Each	\$4.25	4.25

Prices Subject to Market Changes

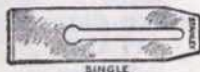
Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

PLANE IRONS

Stanley

The single irons of the same size are identical; thus a $2\frac{1}{2}$ inch single iron fits all planes that take a $2\frac{1}{2}$ inch plane iron. The cap iron (which combined with single iron makes the double iron), however, is not the same in all cases on the iron, wood and circular planes and is therefore not interchangeable.

In ordering be sure to give the number of the plane, size of iron and state whether single iron or iron and cap complete are required.



For "Bed Rock" and "Bailey" Iron, Circular and Wood Planes

Size, inches	Plane Irons Single, Each	Plane Iron Caps, Each
1 $\frac{1}{8}$	\$0.45	\$0.32
1 $\frac{3}{4}$	.50	.32
2	.55	.32
2 $\frac{1}{4}$	.65	.35
2 $\frac{3}{8}$	.70	.40
2 $\frac{7}{8}$	.75	.45



For Stanley and "Bailey" Block Planes

Adjustable—Size 1 $\frac{1}{8}$ inches; for planes Nos. 9 $\frac{1}{2}$, 15, 16, 17, 18, 19, 63, 65, 65 $\frac{1}{2}$, 120, 131 and 220.
Each\$0.38

SCRAPER PLANES

Stanley



Single Handle

Handle and knob have same form as regular "Bailey" plane, being preferred by some users to the two-handle or double grip form of scraper plane.

Blade adjustable endwise and for angle, and can be firmly locked in position desired.

Japanned stock; rosewood handle and knob.

No. 112—Length 9 inches; $2\frac{1}{2}$ inch cutter; weight 4 pounds.

Each\$3.35
Extra BladesEach .40

CABINET SCRAPERS

Stanley



Double Handle, Iron Bottom

The blade may be sprung to a slight curve by means of a thumb screw, giving ease of operation and quickness of cut. The handles are raised to protect the user's hands, and pierced so that the tool can be hung up out of the way. Body and handles are cast in one piece. Japanned.

No. 80—Length 11 $\frac{1}{2}$ inches; $2\frac{3}{4}$ inch cutter; weight 1 $\frac{3}{4}$ pounds.
Each\$1.15

Extra Blades—For No. 80 scraper.
Each\$0.25

Prices Subject to Market Changes

CABINET SCRAPERS

Stanley



Single Handle, Adjustable

Handle can be tilted to give blade any angle desired. Special blades of different forms and widths can be securely held in any position required, thus permitting the tool to be worked in many places inaccessible to other scrapers. Handle and knob of hardwood.

No. 82—Japanned; length 14½ in.; 3 in. blade; weight 1¾ pounds - Each\$1.55
Extra BladesEach .25



Dikeman

Single Handle, Adjustable

Universal ball joint of handle permits any required angle in its relation to blade; locks and loosens by a ¼ turn of handle; reversible head, allows use of either edge of blade without removing blade from holder.

Holder takes any blade 3 inch wide or less and from No. 16 to No. 20 gauge. Blade held between heavy steel plates.

No. 125—Polished steel; stained hardwood handle; length 10½ inches; weight 29 oz. Each \$2.00

CABINET BURNISHERS

Buck



Oval

Especially adapted for putting the final edge on scraper blades. No. 91—Length of blade 4½ inches

Each\$0.85

Prices Subject to Market Changes

CABINET SCRAPERS

Disston

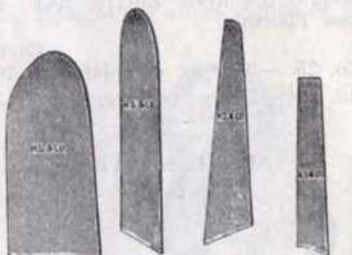


Size	Each
2 in. wide x 6 in. long.....	\$0.16
3 in. wide x 4 in. long.....	.16
3 in. wide x 6 in. long.....	.25

Swedish—Viking

Size, In.	Gauge	Each
2½ x 6	21	\$0.25
2½ x 6	19	.23
3 x 6	19	.28

MOULDING SCRAPERS



No. 2 No. 4 No. 5 No. 6



No. 7 No. 8 No. 9 No. 10

(Cuts one-quarter size)

Nos. 2, 4, 5, 6, 7, 8, 9, 10....\$0.20

In Sets

Set of Eight—One each Nos. 2, 4, 5, 6, 7, 8, 9, 10.....Set \$1.50

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HOOK SCRAPERS



Detachable Edge

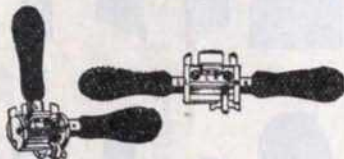
A superior tool for all kinds of scraping. Will scrape off paint and varnish dry.

Hardened and tempered Swedish steel edge. Each hook will scrape several hundred square feet of new flooring.

Each
No. 25 —Scraper complete...\$0.70
No. 25C—Extra cutters..... .15

SPOKE SHAVES

Stanley



Universal

Handles detachable, and either one can be screwed into the top of stock, enabling user to work into corners or panels. Two detachable bottoms are furnished, one for straight and one for circular work. Movable width gauge allows tool to be used in rabbeting. Rosewood handles. Nickel plated.

No. 67—Length $9\frac{1}{4}$ inches; $1\frac{1}{2}$ inch cutter; weight $\frac{3}{4}$ pound.
Each\$1.75

Prices Subject to Market Changes

SPOKE SHAVES

Stanley



No. 151



No. 152

Adjustable Cutter

The cutter can be quickly adjusted both endwise and sidewise by means of the adjusting screws which engage the slots near the end. Length 10 inches; $2\frac{1}{8}$ inch cutters. Japanned.

Each
No. 151—Raised handles....\$0.65
No. 152—Straight handles... .65



Adjustable Mouth

By means of a thumb screw the mouth can be opened or closed as coarse or fine work may be required. Length 10 inches; $2\frac{1}{8}$ inch cutter. Japanned.

Each
No. 53—Raised handles....\$0.60



No. 51



No. 52

Double Iron, Improved

Cutter and cap iron, fastened by thumb screw in such a manner as to bring an even pressure on cutter edge, and at same time allow adjustment without use of screw driver. Length 10 inches; $2\frac{1}{8}$ inch cutters. Japanned.

Each
No. 51—Raised handles....\$0.45
No. 52—Straight handles... .45

WOOD CHISELS

Shark Brand Swedish Chisels

Manufactured only by E. A. Berg Mfg. Co., Ltd., of Eskilstuna, Sweden. This company is the oldest and foremost manufacturer of hand edge tools in Sweden. Made from the finest grade of Swedish tool steel, carefully heat-treated and tempered. Thin blade, properly designed for balance. Equipped with select polished birch root handle.

Straight Sizes



No. 1026—Long Socket Chisels

Length of blade $4\frac{1}{2}$ inches.

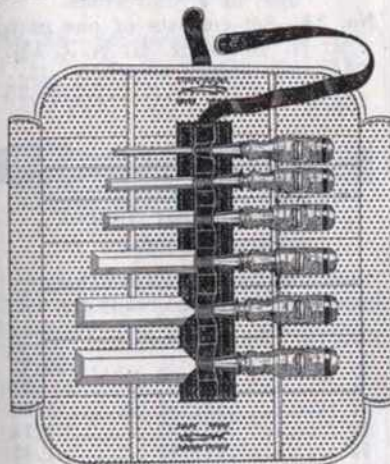
No. 1027—Butt Socket Chisels

Length of blade $2\frac{1}{2}$ inches.

Width of blade, inches.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Nos. 1026 and 1027.....Each	\$0.90	.90	.95	1.00	1.15	1.30	1.45	1.65

In Sets

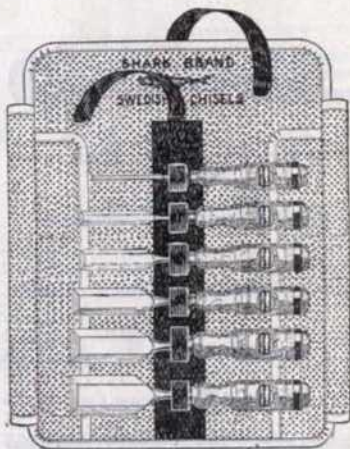
Put up in neat, durable canvas rolls. Reinforced where subjected to most wear.



Long Chisels

No. 1026/6—Set of six; $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$,
1, $1\frac{1}{4}$, $1\frac{1}{2}$ inch.....Set \$7.30

No. 1026/12—Set of twelve; $\frac{1}{8}$, $\frac{1}{4}$,
 $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$,
2 inch.....Set \$14.40



Butt Chisels

No. 1027/6—Set of six; $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$,
1, $1\frac{1}{4}$, $1\frac{1}{2}$ inch.....Set \$7.30

No. 1027/12—Set of twelve; $\frac{1}{8}$, $\frac{1}{4}$,
 $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$,
2 inch.....Set \$14.40

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD CHISELS

Buck Bros.



No. 38—Socket Butt,

Plain Edge

Length of blade $3\frac{3}{4}$ inches, sharpened ready for use. Polished hickory handle, plain end.

Size, In.	Each	Size, In.	Each
$\frac{1}{8}$	\$0.50	$\frac{7}{8}$	\$0.67
$\frac{1}{4}$ .....	.50	1 .....	.72
$\frac{3}{8}$ .....	.50	$1\frac{1}{4}$ .....	.80
$\frac{1}{2}$ .....	.52	$1\frac{1}{2}$ .....	.87
$\frac{5}{8}$ .....	.58	2	1.09
$\frac{3}{4}$ .....	.62		



No. 39—Socket Butt,

Beveled Edge

Length of blade $3\frac{3}{4}$ inches, sharpened ready for use. Leather tipped, polished hickory handle.

Size, In.	Each	Size, In.	Each
$\frac{1}{8}$	\$0.80	$\frac{7}{8}$	\$1.00
$\frac{1}{4}$ .....	.80	1	1.10
$\frac{3}{8}$ .....	.80	$1\frac{1}{4}$	1.25
$\frac{1}{2}$ .....	.85	$1\frac{1}{2}$	1.35
$\frac{5}{8}$ .....	.85	$1\frac{3}{4}$	1.55
$\frac{3}{4}$ .....	.90	2	1.70

Above Chisels in Sets

No. 39A—Set consists of one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in. chisels..Set \$12.05



No. 2—Regular Tanged,

Plain Edge

Best quality, polished applewood handles. Sharpened ready for use. The 1 inch chisel is $5\frac{1}{2}$ inches long from bolster to point.

Size, In.	Each	Size, In.	Each
$\frac{1}{8}$	\$0.38	$\frac{7}{8}$	\$0.55
$\frac{1}{4}$ .....	.38	1 .....	.58
$\frac{3}{8}$ .....	.38	$1\frac{1}{4}$ .....	.75
$\frac{1}{2}$ .....	.42	$1\frac{1}{2}$ .....	.90
$\frac{5}{8}$ .....	.46	2	1.26
$\frac{3}{4}$ .....	.50		

Above Chisels in Sets

No. 2A—Set consists of one each

$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 inch chisels.....

Per Set\$7.35



No. 30—Regular Tanged,

Beveled Edge

Leather tipped, polished hickory handles. Sharpened ready for use.

Size, In.	Each	Size, In.	Each
$\frac{1}{8}$	\$0.59	$\frac{7}{8}$	\$0.72
$\frac{1}{4}$ .....	.59	1 .....	.77
$\frac{3}{8}$ .....	.59	$1\frac{1}{4}$	1.00
$\frac{1}{2}$ .....	.63	$1\frac{1}{2}$	1.14
$\frac{5}{8}$ .....	.67	$1\frac{3}{4}$	1.42
$\frac{3}{4}$ .....	.70	2	1.60

Above Chisels In Sets

No. 30A—Set consists of one each

$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 inch chisels..Set \$9.50

Prices Subject to Market Changes

Fourth Avenue at 13th Street also at 57th Street—145-147 East

WOOD GOUGES

Buck Bros.



No. 8—Regular, Tanged

Outside bevel, regular sweep. Best quality polished applewood handles. Sharpened ready for use. The 1 inch gouge is 5½ inches long from bolster to point.

Size, In.	Each	Size, In.	Each
1/8	\$0.54	3/4	\$0.66
1/4	.54	7/8	.73
3/8	.54	1	.76
1/2	.57	1 1/4	1.00
5/8	.61	1 1/2	1.30

Above Gouges in Sets

No. 8A—Set consists of one each 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch gouges.
Per Set\$9.80



No. 42—Regular, Socket

Outside bevel, regular sweep. Best quality polished applewood handles. The 1 inch gouge has 5½ inch blade.

Size, In.	Each	Size, In.	Each
1/4	\$0.85	1	\$1.20
3/8	.85	1 1/4	1.33
1/2	.91	1 1/2	1.48
3/4	1.03	...	...

Above Gouges in Sets

No. 42A—Set consists of one each 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch gouges.
Per Set\$13.20

Prices Subject to Market Changes

WOOD TURNING TOOLS

Buck Bros.

Best quality applewood handles, with cast brass ferrules. Sharpened ready for use.

CHISELS

The 1 inch chisels have blades about 6¼ inches long.



No. 19—Skew Point

Inch..	1/4	3/8	1/2	5/8	3/4	1
Each.	\$0.72	.72	.79	.85	.95	1.20



No. 19 1/4—Round Point

Inch.	1/4	3/8	1/2	5/8	3/4	1
Each.	\$0.82	.82	.90	.97	1.06	1.31



No. 19 1/2—Square Point

Inch.	1/4	3/8	1/2	5/8	3/4	1
Each.	\$0.82	.82	.90	.97	1.06	1.31

GOUGES



No. 20

The 1 inch gouge has 6¼ inch blade.

Inch	1/4	3/8	1/2	5/8	3/4	1
Each	\$0.93	.93	.99	1.05	1.19	1.49

PARTING TOOLS



No. 18

Length 8½ to 9½ inches over all; not sharpened; without handles.

Size, inches....	1/4	5/8	3/4
Each	\$0.57	.63	.69

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

AMATEUR WOOD TURNING TOOLS

Buck Bros.



Round Point.



Square Point.



Spear Point.



Skew Point.

Handled

Cast steel blades, length ... inches, sharpened ready for use. Polished hickory handles.

Amateur—Set consists of ten tools as follows: two each turning chisels, turning gouges, round point chisels, and spear point chisels, and one each cutting-off tool and square graver; in a neat pasteboard box. Set \$12.00

BENCH KNIFE HANDLES AND BLADES



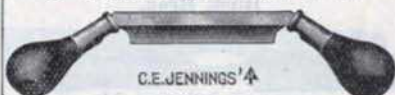
Dexter Blade Handles

Stained hardwood handles, interchangeable parts, parallel jaws.

Nos.	0	2X
Handle size, inches	4 1/4 x 1 1/8	4 1/2 x 1
Holds blade, No...	0	2
Each	\$0.55	...

Note—Prices given on above handles do not include blades.

LITTLE DRAW SHAVES C. E. Jennings' Arrow Head



C.E. JENNINGS' 4

Sharpened and honed ready for use. May be used instead of a spoke shave or as a small drawing knife. An excellent little tool for manual training and for household use. Warranted.

No. 48—Length of blade on cutting edge 4 inches; weight 1/4 pound.
..... Each \$0.75

DRAWING KNIVES Buck Bros.



No. 71 1/2—Solid Cast Steel
Length, inches. 6 8 10
Each \$1.20 1.30 1.60



Extension Mat Blades

For use with handles shown opposite. Specify point desired when ordering

Nos.	0	2
Blade size, inches.	4 1/4 x 3 1/2	4 x 3 1/2
Takes handle, No.	0	2X
Each	\$0.25	.25

Prices Subject to Market Changes

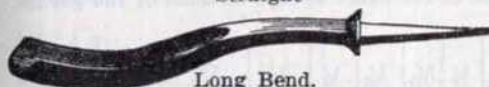
WOOD CARVING TOOLS

Genuine J. B. Addis, Sheffield, England

Ground sharp but not honed



Straight



Long Bend.



Short Bend.

How Carving Tools are Measured

Nos. 1 to 32, width of cutting edge, measured in a straight line from point to point.

Nos. 41 to 46, length of one side of cutting edge.

See pages 52 and 53 for illustration of sweeps.

Note — Smaller sizes take price of next nearest listed size.

Size, inches.....		$\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Nos. 1 and 2—Straight	Dozen	.....	.....	5.50	6.00	7.00	7.50
Chisels	Each	.....	.....	.55	.60	.70	.75
Nos. 3 to 9—Straight	Dozen	.....	.....	6.00	7.00	8.00	9.00
Gouges	Each	.....	.....	.60	.70	.80	.90
No. 10—Straight Gouges	Dozen	.....	.....	.....	7.50	10.50	12.00
	Each	.....	.....	.....	.75	1.05	1.20
No. 11—Straight Gouges	Dozen	7.00	7.50	7.50	10.50	12.00	14.00
	Each	.70	.75	.75	1.05	1.20	1.40
Nos. 12 to 18—Long Bend	Dozen	.....	.....	7.50	8.50	11.00	13.00
Gouges	Each	.....	.....	.75	.85	1.10	1.30
Nos. 19 and 20—Long	Dozen	7.50	9.00	9.00	11.00	13.00	15.50
Bend Gouges.....	Each	.75	.90	.90	1.10	1.30	1.55
Nos. 21 to 23—Short Bend	Dozen	.....	.....	.....	6.50	9.00	11.00
Chisels	Each	.....	.....	.....	.65	.90	1.10
Nos. 24 to 30—Short Bend	Dozen	.....	.....	7.50	8.50	11.00	13.00
Gouges	Each	.....	.....	.75	.85	1.10	1.30
Nos. 31 and 32—Short	Dozen	7.50	9.00	9.00	11.00	13.00	15.50
Bend Gouges.....	Each	.75	.90	.90	1.10	1.30	1.55
No. 39—Straight Parting	Dozen	9.00	10.00	11.00	14.50	17.50	22.50
Tools	Each	.90	1.00	1.10	1.45	1.75	2.25
No. 40—Long Bend	Dozen	10.00	11.00	12.00	15.00	.....	.....
Parting Tools.....	Each	1.00	1.10	1.20	1.50	.....	.....
No. 41—Straight Parting	Dozen	9.00	10.00	11.00	14.50	17.50	22.50
Tools	Each	.90	1.00	1.10	1.45	1.75	2.25
No. 42—Long Bend	Dozen	10.00	11.00	12.00	15.00	18.50	23.00
Parting Tools.....	Each	1.00	1.10	1.20	1.50	1.85	2.30
Nos. 43 and 44—Short	Dozen	10.00	.....	12.00	15.00	.....	.....
Bend Parting Tools...	Each	1.00	.....	1.20	1.50	.....	.....
No. 45—Straight Parting	Dozen	9.00	.....	11.00	14.50	.....	.....
Tools	Each	.90	.....	1.10	1.45	.....	.....



Veining Tool

Very fine, short veining tool for engraving varnished work.

No. 11—Size $\frac{1}{8}$ inch.....Each \$0.70

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD CARVING TOOLS

Genuine J. B. Addis, Sheffield England

Illustrating shapes $\frac{3}{4}$ of actual sizes. The illustrations of the sweeps in a few cases vary slightly from the tools, as it is almost impossible to have cuts made of the exact sweeps of some of the gouges.

INCISENT	LOW-BENT	STRAIGHT	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
21	1														
22		2													
23															
24	12	3													
25	13	4													
26	14	5													
27	15	6													
28	16	7													
29	17	8													
30	18	9													
31	19	10													
32	20	11													
44	42	41													
HAMMACHER SCHLEMMER & CO NEW YORK															
43	40	39													
46	45														

See page 51 for listing.

Prices Subject to Market Changes

WOOD CARVING TOOLS

Genuine J. B. Addis, Sheffield, England

Illustrating shapes $\frac{2}{3}$ of actual sizes. The illustrations of the sweeps in a few cases vary slightly from the tools, as it is almost impossible to have cuts made of the exact sweeps of some of the gouges.

POINT	LONG	STRAIGHT	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in
21		1					
22		2					
23		3					
24	12	4					
25	13	5					
26	14	6					
27	15	7					
28	16	8					
29	17	9					
30	18	10					
31	19	11					
32	20						
44	42	41					
HAMMACHER SCHLEMMER & CO NEW YORK							
43	40	39					
46	45						

See page 51 for listing.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD CARVING TOOLS IN SETS**Genuine J. B. Addis, Sheffield, England**

These sets contain the well-known Sheffield make tools, with maple handles, blades ground sharp but not honed. The sizes and sweeps are those generally used by practical wood carvers. Each tool is carefully selected and the sets are put up in nicely finished cases and canvas rolls.

In Oak Cases**Twelve Tool Sets**

Contents: One each No. 1, $\frac{1}{4}$ and $\frac{1}{2}$ inch; No. 3, $\frac{3}{8}$ and $\frac{5}{8}$ inch; No. 5, $\frac{1}{4}$ and $\frac{1}{2}$ inch; No. 6, $\frac{3}{4}$ and $\frac{1}{2}$ inch; No. 7, $\frac{1}{16}$ inch; No. 8, $\frac{1}{4}$ inch; No. 10, $\frac{1}{8}$ inch; No. 45, $\frac{1}{4}$ inch.

- 1 Washita Oil Stone, No. 26.
- 1 Washita Round-edge Slip, No. 11.
- 1 Arkansas Triangular Stick, No. 20.
- 1 Special Arkansas Carving Tool Slip, No. 15.
- 1 Carvers Marker, No. 8.
- 1 Illustrated Book of Instructions.

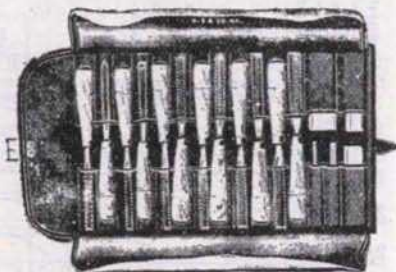
Per Set

No. 11—Round Handles ... \$12.80**No. 12—Octagon Handles... 13.20****Six Tool Sets**

Contents: One each No. 1, $\frac{3}{8}$ inch; No. 3, $\frac{1}{2}$ inch; No. 5, $\frac{1}{4}$ inch; No. 6, $\frac{1}{16}$ inch; No. 10, $\frac{1}{8}$ inch; No. 45, $\frac{1}{4}$ inch.

- 1 Washita Oil Stone, No. 26.
- 1 Special Arkansas Carving Tool Slip, No. 15.
- 1 Carvers Marker, No. 8.
- 1 Illustrated Book of Instructions.

Per Set

No. 13—Round Handles \$7.40**No. 14—Octagon Handles.... 7.60****In Canvas Rolls****Twelve Tool Sets**

Contents: One each No. 1, $\frac{1}{4}$ and $\frac{1}{2}$ inch; No. 3, $\frac{3}{8}$ and $\frac{5}{8}$ inch; No. 5, $\frac{1}{4}$ and $\frac{1}{2}$ inch; No. 6, $\frac{3}{4}$ and $\frac{1}{2}$ inch; No. 7, $\frac{1}{16}$ inch; No. 8, $\frac{1}{4}$ inch; No. 10, $\frac{1}{8}$ inch; No. 45, $\frac{1}{4}$ inch.

- 1 Washita Oil Stone, No. 26.
- 1 Washita Round-edge Slip, No. 11.
- 1 Arkansas Triangular Stick, No. 20.
- 1 Special Arkansas Carving Tool Slip, No. 15.
- 1 Carvers Marker, No. 8.
- 1 Illustrated Book of Instructions.

Per Set

No. 21—Round Handles ... \$11.60**No. 22—Octagon Handles... 11.80****Six Tool Sets**

Contents: One each No. 1, $\frac{3}{8}$ inch; No. 3, $\frac{1}{2}$ inch; No. 5, $\frac{1}{4}$ inch; No. 6, $\frac{1}{16}$ inch; No. 10, $\frac{1}{8}$ inch; No. 45, $\frac{1}{4}$ inch.

- 1 Washita Oil Stone, No. 26.
- 1 Special Arkansas Carving Tool Slip, No. 15.
- 1 Carvers Marker, No. 8.
- 1 Illustrated Book of Instructions.

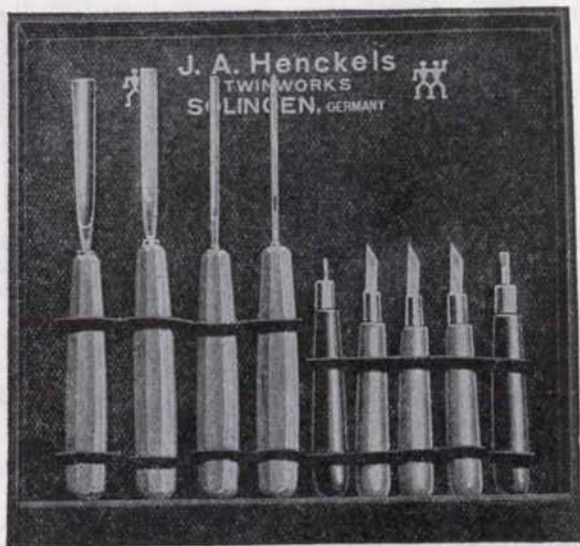
Per Set

No. 23—Round Handles \$7.30**No. 24—Octagon Handle.... 7.50****Prices Subject to Market Changes**

WOOD CARVING TOOLS IN SETS

J. A. Henckels' Twin Brand

J. A. Henckels' "Twin Brand" wood carving sets of finely honed tools, ready for use. Neatly fitted in strongly made cardboard box covered with leatherette.



Wood Carving Set No. 2

No. 2—Consists of nine tools as described below.....Per Set \$8.30

One set in a box.

Contents of No. 2 Set

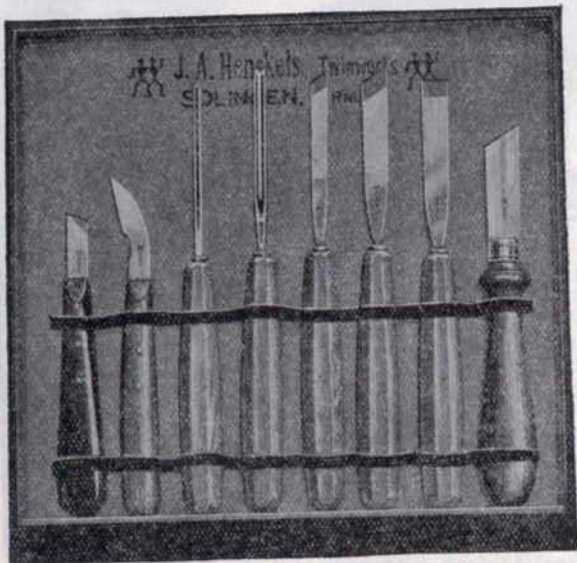
Gouge No. 73/10, $\frac{3}{16}$ inch cutting edge.
 Veining Tool No. 72/3, $\frac{3}{16}$ inch cutting edge.
 Gouge No. 75/4, $\frac{1}{8}$ inch cutting edge.
 Gouge No. 75/5, $\frac{1}{4}$ inch cutting edge.
 Carving Chisel No. 66, $\frac{1}{16}$ inch cutting edge.
 Carving Chisel No. 67, $\frac{3}{16}$ inch cutting edge.
 3 Carving Tools No. 65, $\frac{1}{4}$ inch cutting edge.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD CARVING TOOLS IN SETS**J. A. Henckels' Twin Brand**

J. A. Henckels' "Twin Brand" wood carving sets of finely honed tools, ready for use. Neatly fitted in strongly made cardboard box covered with leatherette.

**Wood Carving Set No. 1**

No. 1—Consists of eight tools as described below.....Per Set \$6.70

One set in a box.

Contents of No. 1 Set

- Chip Carving Set No. 61, $\frac{7}{8}$ inch cutting edge.
- Chip Carving Set No. 64, 1 inch cutting edge.
- Parting Tool No. 71/3, $\frac{1}{8}$ inch cutting edge.
- Parting Tool No. 71/5, $\frac{3}{8}$ inch cutting edge.
- Skew Chisel No. 70/8, $\frac{1}{8}$ inch cutting edge.
- Skew Chisel No. 70/12, $\frac{1}{2}$ inch cutting edge.
- Chisel No. 74/12, $\frac{1}{2}$ inch cutting edge.
- Chip Carving Knife No. 1, $\frac{1}{2}$ inch cutting edge.

Prices Subject to Market Changes

STENCIL KNIVES

Dexter



Pattern Makers

High quality steel, hardened and tempered, ground to a cutting edge, tested and hand honed ready for use. Blade securely riveted into oval rubberoid handle.

No. D2—Length of blade 2 inches.
Each\$0.50



Light Stencil

High quality steel, hardened and tempered, ground to a cutting edge, tested and hand honed ready for use. Blade securely riveted into oval rubberoid handle.

No. E1—Size of blade 1x¼ inches.
Each\$0.40

MANUAL TRAINING KNIVES

All knives on this page are made of finest crucible tool steel and finely finished. They are carefully and thoroughly tempered and shaped to give a firm yet easy grip. Fully warranted.

CARVERS



No. 1—Extra quality, 2½ inch blade.....Each \$0.28



Particular attention is called to this knife, as it is the proper "shape" and size best adapted for chip carving.

No. 3—Extra quality, 2¼ inch blade.....Each \$0.30

SLOYD



These knives have shank running through handle and riveted on end.

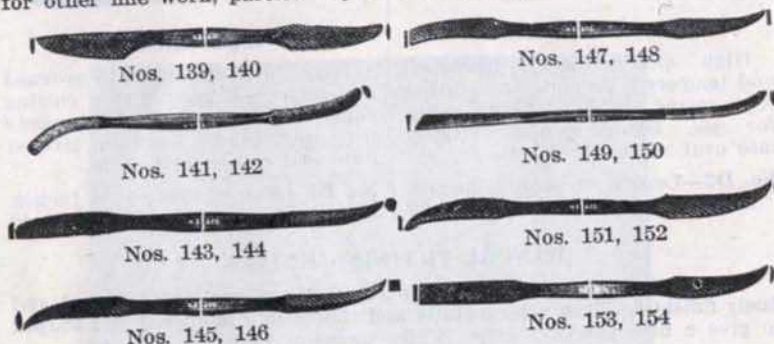
No. 6—2¾ inch blade..Each \$0.45 No. 7—2½ inch blade..Each \$0.40

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD CARVERS RASPS

Double-ended French wood rasps. The choice of the expert wood carver. Carefully toothed and tempered from finest steel. In various shapes for work in places not accessible to ordinary rasp. Much used for other fine work, particularly marble carving.

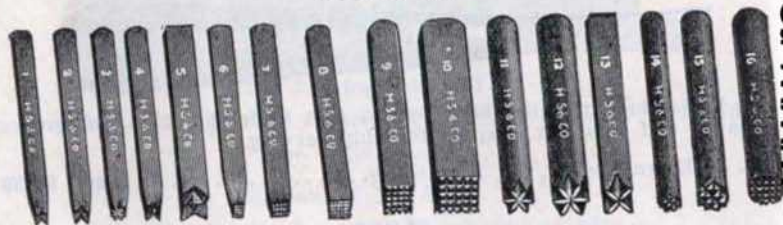


In 6 and 8 inch Lengths

Nos...	139/140	141/142	143/144	145/146	147/148	149/150	151/152	153/154	
6 inch.....									Each \$0.70
8 inch.....									Each .85

WOOD CARVERS MARKERS

H. S. & Co.



These markers are made of a special high grade tool steel, polished, carefully hardened and tempered. The designs are those most suitable for background work in wood carving.

Nos.	1	2	3	4	5	6	7	8
Each	\$0.40	.40	.40	.40	.40	.40	.40	.40
Nos.	9	10	11	12	13	14	15	16
Each	\$0.40	.40	.35	.35	.35	.35	.35	.35

Prices Subject to Market Changes

WOOD CARVERS BENCHES

With Stops



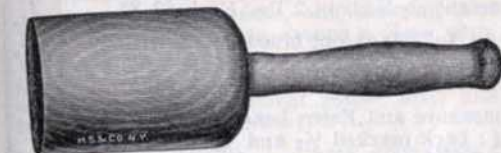
Made of selected maple, with 1½x18 inch hickory screw. It is 37½ inches long over all, 8½ inches wide, and opens 11 inches.

Wood Carvers Bench.....Each \$16.00

WOOD CARVERS MALLETS

Lignum-Vitae

Carefully selected, thoroughly seasoned, the handle is exactly centered, giving an evenly-balanced mallet.



Nos.	1	2	3
Diameter of face, inches.....	2½	3	3½
Each	\$0.55	.60	.65

FRET SAW TABLES

Pierce



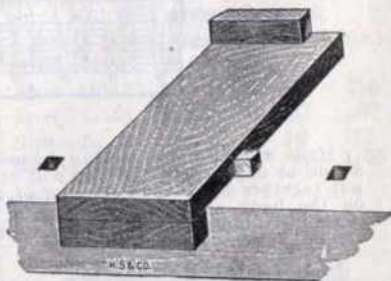
For Manual Training Work

This table is particularly commendable for two features: First, it is adjustable to any height above desk from 3 to 20 inches, permitting student to work in a sitting or standing position; second, it can be instantly attached to any desk, table or bench.

No. 180.....Each \$2.10

BENCH HOOKS

Wood



Made of selected maple. For odd sawing and chiseling, so that the bench will not be marred.

Bench Hook—Size 4½x12 inches.
Each\$0.40

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

CARPENTERS STANDARD STEEL SQUARES

Sargent



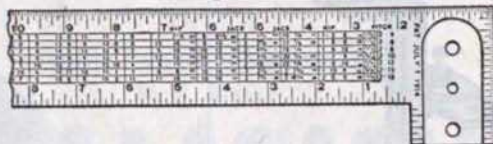
Two Feet Squares

Size of body 24x2 inches, size of tongue 16x1½ inches.

- No. 100—Polished.** Brace measure, 8 square and Essex board measure; face marked $\frac{1}{8}$ and $\frac{1}{4}$; back marked $\frac{1}{10}$, $\frac{1}{12}$, $\frac{1}{2}$ and $\frac{1}{100}$; weight each about 2 lbs.. Each \$2.80
- No. 100B—Blued.** Same as No. 100 except blued finish, with white enameled figures and graduations; weight each about 2 pounds..... Each \$3.40
- No. 3—Polished.** Brace measure and Essex board measure; face marked $\frac{1}{8}$ and $\frac{1}{4}$; back marked $\frac{1}{12}$ and $\frac{1}{4}$; weight each about 2 pounds..... Each \$2.50
- No. 14—Polished.** Essex board measure; face marked $\frac{1}{8}$ and $\frac{1}{4}$; back marked $\frac{1}{4}$ and 1; weight each about 2 pounds Each \$2.25

TAKE DOWN STEEL SQUARES

Sargent



Made with a screw locking device which is easily operated by a coin or any instrument that will fit the slot in the screws. It is put together by placing the end of the tongue in a beveled seat on the body of the square and is held together by two self-contained binding screws. A dowel pin, located between the two screws insures perfect alignment.

Two Foot Framing Squares

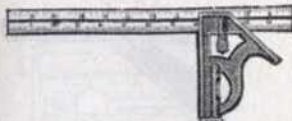
Brace measure and patent rafter table; table for hip, valley, jack and cripple rafters; table of cuts for common polygons; size of body 24x2 inches; size of tongue 16x1¾ inches; face marked $\frac{1}{8}$ and $\frac{1}{4}$; back marked $\frac{1}{10}$, $\frac{1}{12}$, $\frac{1}{2}$ and $\frac{1}{100}$.

- No. 600R** —Polished; highly polished steel..... Each \$5.60
- No. 600BR**—Blued; white enameled figures and marks..... 6.20
In enameled waterproof case.

Prices Subject to Market Changes

CARPENTERS COMBINATION SQUARES

Starrett



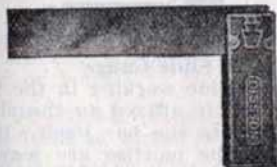
With Level, Mitre and Plumb

This square will readily appeal to the carpenter and others not requiring a fine graduation of the blade or a scriber. The head may be clamped to any point of the blade. The blade is graduated 8ths and 16ths on both sides, and the lines and figures are very distinct. It is also convenient to square a piece with a surface and at the same time tell whether one or the other is level or plumb. The blade can be used separately as a rule. Combines a marking gauge, rule, square, mitre, depth gauge, height gauge, level and plumb.

No. 94—Length 12 inches.....Each \$1.30

TRY SQUARES

Disston



No. 5 1/2—Iron Stock

Steel blade, square inside and out; nickel plated.

Size—In..	4	6	8	10	12
Each.....	\$0.46	.60	.67	.87	1.03



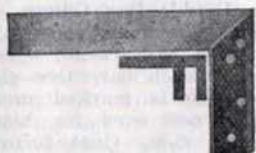
No. 1—Rosewood Stock

Brass faced, tempered and blued steel blade.

Size—In.	4 1/2	6	7 1/2
Each	\$0.43	.57	.60
Size—In.	9	10	12
Each	\$0.80	.85	1.05

TRY AND MITRE SQUARES

Disston

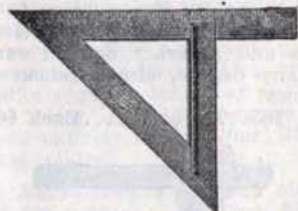


No. 10—Rosewood Stock

Heavy brass face plate; special "L" shaped steel blade.

Size—In...	6	7 1/2	9	12
Each.....	\$0.61	.75	.90	1.15

Fox



No. 3—All steel, nickel plated; 10 inch bladeEach \$0.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

SLIDING T BEVELS

Disston



No. 3—Iron Stock

Nickel plated iron stock, steel blade. The blade is easily secured by turning the thumb screw at the lower end of handle.

Size, inches....	6	8	10
Each	\$0.72	.90	1.00



No. 2—Rosewood Stock

Rosewood stock, heavy brass plates; tempered and blued steel blade.

Size, inches....	6	8	10
Each	\$0.48	.54	.56

WOOD MARKING GAUGES

Stanley

Boxwood, polished; square head; single oval form bar; graduated in 16ths inches for 6 inches from point; brass screw; bar protected by brass shoe; adjustable point; brass face plate inserted in the head to prevent wear.



Concave Work



Convex Work

With Circular Face Plate

This gauge has a device consisting of a brass face with two ribs attached to one side of the head which enables the operator to run a gauge line with perfect steadiness and accuracy around curves of any degree, either concave or convex.

No. 165.....Each \$0.80



Without Circular Face Plate

No. 65.....Each \$0.80

MORTISE AND MARKING GAUGES

Stanley



Slide Gauge

Has a slide working in the bar. One point is affixed to the slide, the other to the bar itself. Both sides of the mortise are marked at the same time. Oval form bar, graduated in 16ths inches for 3 inches from point.

No. 77—Rosewood; brass adjustable slide; brass screw, face plate and stop screw. Each \$1.40



Double Bar Gauge

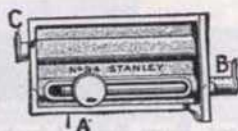
Has two independent bars working in the same head. One pin affixed to each bar. One side of the mortise is marked and the gauge turned over for marking the other side. Oval form bar, graduated 16ths inches for 6 inches from point.

No. 71—Beech, polished; brass screw; head plated; brass stop screwEach \$0.95

Prices Subject to Market Changes

BUTT GAUGES

Stanley

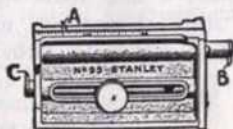
**Rabbeted Jams or Nailed Strikes**

For rabbeted jams cutter "A" marks from the jamb in the rabbet—cutter "B" from the edge of the door engaged in closing—cutter "C" the thickness of the butt.

For nailed on strikes cutter "B" when reversed marks for the butt on both door and jamb—cutter "C" the thickness of the butt.

It can also be used as a marking and mortise gauge and as an inside or outside square for squaring the edge of the butt on either door or jamb.

No. 94—Nickel plated; graduated in 16ths of inches for 2 inches.
Each\$1.50

**For Rabbeted Jams**

Cutter "A" marks from the jamb in the rabbet—cutter "B" from the edge of the door engaged in closing—cutter "C" the thickness of the butt. It can also be used as a marking and mortise gauge and as an inside or outside square for squaring the edge of the butt on either door or jamb.

No. 95—Nickel plated; graduated in 16ths of inches for 2 inches.
Each\$1.40

SCRATCH GAUGES

Starrett

**Graduated 64ths of Inch**

For scribing lines parallel to a given surface. Made of steel with hardened cast steel head. Split bushing in head grips beam securely when set screw is tightened. Marker is a square piece of thin steel firmly held against edge of beam presenting four marking points. Fine adjustments may be made by a slight rotating movement of head on beam. Two extra cutters with each gauge.

No. 29—Lgth. beam, in. 5 6
Diameter beam, in.... $\frac{11}{16}$ $\frac{1}{8}$
Each\$1.00 1.30

FARRAND RAPID RULES

Graduated Inches and 16ths



A continuous strip of high carbon steel, coiled within a holder about the size of a man's watch. When released from holder, rule blade is rigid and can be used to measure vertical or horizontal surfaces. With slight pressure rule becomes flexible and will measure curved surfaces. Two brake handles regulate length at any desired point or blade may be removed entirely from holder. Blade nickel plated.

No. A100—Length 8 feet; nickel plated holder.....Each \$5.00

No. B200—Length 6 feet; brass finish holder.....Each \$3.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BOXWOOD RULES

Stanley



Two Feet, Four Fold, 1 inch Wide
No. 68 — Round joint, middle plates; marked 8ths and 16ths inches; weight each 2 ounces.
 Each\$0.23



Two Feet, Four Fold, 1 inch Wide
No. 53—Arch joint, edge plates, drafting scales; marked 8ths, 10ths, 12ths and 16ths inches; weight each 3½ oz..Each \$0.55

SPRING JOINT RULES

Lufkin "Red End"



Concealed Joints

Joints and strike plates of solid brass. Strike plates are small brass plates fastened to the flat surfaces of each rule section which prevent the wearing away of the lines and figures when opening and closing the rule.

Both colors have a beautiful gloss finish which will not crack, chip or blister. All ends are gloss red.

Flexible; 6 inch folds, 5/8 inch wide; marked consecutive inches to 16ths, both sides.

Cream Enameled

Nos.	054	056
Length, feet.....	4	6
Each	\$0.40	.60

White Enameled

Nos.	064	066
Length, feet	4	6
Each	\$0.55	.65

FOLDING WOOD RULES

National



Concealed Joints

The "National" is a good rule of its kind. It meets the demand for a popular priced article.

Flexible; 6 inch folds, 5/8 inch wide; steel trimmings; marked consecutive inches to 16ths, both sides.

Yellow Enameled

Nos.	574	575	576
Length, feet...	4	5	6
Each	\$0.20	.25	.30

White Enameled

Nos.	674	675	676
Length, feet...	4	5	6
Each	\$0.25	.30	.35

Prices Subject to Market Changes

WOOD EXTENSION RULES

Interlox Master Slide



TWO RULES IN ONE



INTERLOCKING DIRECT READING RUST-PROOF

Boxwood

Length closed 8 inches $\frac{1}{2}$ in. wide. Marked feet, inches and 16ths.

For all difficult inside and outside measuring. The side used for taking inside measurements is marked "Inside" caliper, direct reading. The reverse side, used like any ordinary rule for outside measurements is marked "Outside" on each slide.

In obtaining dimensions all "guesswork" is eliminated and accuracy assured. Used by all mechanics required to obtain measurements in places or positions awkward or uncomfortable. Of particular benefit to engineers, architects, contractors, inspectors, estimators, carpenters, plumbers, steam fitters and awning makers.

Nos.	64	65	66
Length, feet...	4	5	6
Each	\$0.80	1.00	1.20

CALIPER RULES

Stanley

Boxwood Caliper Rules have the caliper slide made of brass and machined to accurately fit the "T" slot in the leg of the rule. The slides are regularly graduated in 16ths and 32nds of inches.

All caliper rules are regularly made with caliper left hand as shown in the illustration.



One Foot, Two Fold, $1\frac{1}{2}$ inches Wide

No. 36 $\frac{1}{2}$ — Square joint, marked 8ths, 10ths, 12ths and 16ths inches; weight each $2\frac{1}{2}$ ounces
Each\$0.85



Six Inches, Two Fold, $\frac{3}{8}$ inch Wide

No. 36 — Square joint; marked 8ths, 10ths, 12ths and 16ths inches; weight each 1 ounce.
Each\$0.65

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

MEASURING TAPES

Universal Steel Tapes

With $\frac{3}{8}$ inch Steel Tapes

Marked feet, inches and 8ths, one side only. Instantaneous readings, Nubian finish. Metal lined case, covered with mottled, tan colored imitation leather, with $\frac{3}{8}$ inch wide, flat flush, nickel plated edge band. Nickel plated trimmings.

Folding flush handle, opened by pressing pin on opposite side. Guaranteed accurate.

Nos.	540	543	545	546
Feet	25	50	75	100
Weight, oz..	6	10	15	17
Each	\$2.00	2.25	3.10	3.85

Universal Linen Tapes

With $\frac{1}{4}$ inch Linen Corded Tape

Marked feet and inches one side only. Sheet steel case, brass bound, sides maroon enameled, brass folding handles and trimmings.

Nos.	730	733	735	736
Feet	25	50	75	100
Each	\$0.55	.85	1.10	1.35

PLUMB BOBS

Sargent



Hexagon steel, nickel plated; brass screw top.

Nos.	208	212
Weight, oz.....	8	12
Each	\$0.60	.70

Starrett



Improved Mercury

These plumb bobs are made from solid steel, bored and filled with mercury. Noteworthy features are their great weight in proportion to size, low center of gravity, small diameter, hardened and ground points, knurling on the body and the simple and effective device at top for fastening end of line after winding up. Nickel plated. Each is provided with a braided silk line.

No. 87—Length, inches....	4
Diameter, inches.....	$\frac{1}{2}$
Weight each, oz.....	$3\frac{1}{2}$
Each	\$1.62

Prices Subject to Market Changes

WOOD PLUMBS AND LEVELS

Stanley



Hardwood, Non-Adjustable, Proved Glasses

Polished hardwood small stock, $1\frac{1}{4} \times 2\frac{3}{8}$ inch square brass top plate, plain side views, proved glasses, handy finger grips.

No. 104—Length, inches.....	12	14	16	18
Weight each, lbs.....	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Each	\$1.15	1.15	1.20	1.20



Hardwood, Brass Tips, Non-Adjustable, Proved Glass

Polished hardwood small stock, $1\frac{1}{4} \times 2\frac{3}{8}$ inch square brass top plate, plain side views, brass tips on ends, proved glasses.

No. 104 $\frac{1}{2}$ —Length 12 inches; weight each $\frac{3}{4}$ pound.....Each \$1.60

Peerless Aluminum



With Solid Set Vials

Size of stock $1\frac{1}{8} \times 2$ inches. Large, white observation openings give perfect vision. Glasses can be easily read in extreme position or in poor light. All vials set solid and protected by heavy crystals, making the vials dirt, dust and waterproof. All level glasses are set in patented metal sockets. All vials are permanently marked; no wires to become loose. Oblong sights.

No. 24—Six glasses; length 24 inches; net weight each $2\frac{3}{4}$ pounds.
.....Each \$5.00

One in a box.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

"GNOME BRAND" TOOL OUTFITS AND WORK BENCHES

All cabinets are substantially built of oak, (unless otherwise stated), varnished and finely finished, and the hardware fittings are of brass.

The benches and combination benches are constructed of well-seasoned hard maple. The doors and drawers are well made and carefully fitted. They are shown as well as pictures permit, but you must really see to appreciate the appearance and enduring construction of our benches and cabinets. When closed, the cabinets are in keeping with any piece of finely finished furniture.

COMBINATION BENCH AND TOOL CABINET
"Gnome Brand"



No. 100

This combination bench cabinet is unique in construction. The illustration shows fully its many desirable features, among which are its conveniently arranged drawer and closet space, side opening and hinged top. Bench top of seasoned maple, absolutely rigid and supported by strong uprights which rest directly on the floor. When cabinet is closed, bench top as well as all tools are inside, thus making it a fine piece of polished furniture. Trimmed throughout with solid brass locks and handles.

Cabinet Dimensions—Length 47 inches, width 19 inches, height 35 inches. Wood vise with $1\frac{1}{4}$ inch screw and double bench stop; bench top is arranged for their adjustment. Outfits contain highest grade tools as per detailed list on opposite page.

Approximate shipping weight of cabinets complete with tools 375 pounds

Oak Cabinet		Walnut Cabinet	
	Each		Each
No. 100—With tools.....	\$250.00	No. 100W—With tools.....	\$280.00
No. 0100—Cabinet only....	170.00	No. 0100W—Cabinet only..	200.00
Tools Only		Set	\$90.00

Prices Subject to Market Changes

COMBINATION BENCH AND TOOL CABINET

"Gnome Brand"

(Illustrated on opposite page)

List of Tools for Outfit No. 100

Awl, H. S. Co. Handled Brad, 1½ in.
Awl, Buck Bros. Handled Scratch.
Bevel, Disston Sliding Tee, No. 3,
8 in.
Bits, Russell Jennings Auger, 4, 5,
6, 7, 8, 9, 10 and 12/16ths.
Bit, Clark's Expansive, Large.
Bits, H. S. Co. Gimlet, 2, 3, 4, 5,
6, 7 and 8/32nds.
Bit, B. M. Co., Screw Drivers, No.
10, ½ in.
Blade, Starrett, Hack Saw, No.
103, 8 in.
Bob, Sargent Brass Plumb, No. 5.
Box, Stanley Mitre, No. 150.
Brace, M. F. Co., Bit, No. 323.
Chisel, Buck Bros Firmer, No. 2,
½, ¾, 1, 1½, 2, 3, 4 and 1 in.
Cork, Sandpaper, Small.
Countersink, B. M. Co. Rose, No.
10, ½ in.
Cutter, Glass, No. 2.
Divider, Winged, No. 106, 6 in.
Drill, M. F. Co. Hand, No. 1.
Drill, Cleveland Set of Bit Stock,
No. 14B.
Duster, H. S. Co. Bench, No. 10.
Files, K. & F., Handled.
Cabinet, 8 in.
Double Ender, 8 in.
Flat Bastard, 6 in.
Flat Bastard, 8 in.
Half Round Bastard, 6 in.
Half Round Bastard, 8 in.
Round Bastard, 6 in.
Round Bastard, 8 in.
Square Bastard, 6 in.
Warding Bastard, 4 in.
Frame, Starrett Hack Saw, No. 140.
Gauge, Stanley Marking, No. 64½.
Gouges, Buck Bros Firmer, No. 8,
¾, 1, 1½ and 2 in.
Hammer, Hammond, Adze Eye
Nail, No. 2.
Hammer, H. S. Co. Riveting, No. 1.
Hatchet, Hammond Half, No. 30-1.

Knife, Sloyd, No. 6.
Level, Stanley, No. 3, 22 in.
Line, Hank of Mason, No. 6.
Mallet, L. V., No. 4.
Oiler, Gem Brass, No. 1603B.
Pincers, Carpenters', No. 49, 6 in.
Planes, Stanley.
Smooth, No. 4.
Jack, No. 5.
Block, No. 18.
Rabbit, No. 78.

Pliers

Combination, No. 1880, 7 in.
Flat Nose, No. 20, 5 in.
Round Nose, No. 30R, 5½ in.
Punch, Center, No. 10, ½ in.
Rasp, K. & F. Cabinet, 8 in.
Reamer, B. M. Co., Square, No. 40.
Rule, Stanley Boxwood, No. 54.

Saws

Disston Back, No. 4, 10 in.
Disston Compass, No. 2, 10 in.
Disston Hand Rip, No. 12, 24 in.
Disston Hand Cross Cut, No. 12,
24 in.
Disston Keyhole Pad, No. 10.
Scraper, Disston Cabinet, 3x6 in.

Screw Drivers

Yankee, No. 95, 2½ in.
Yankee, No. 90, 4 in.
Yankee, No. 90, 6 in.
Set, H. S. Co., Nail, No. 10, 2 in.
Snips, Compton Tinnars, No. 10.
Spokeshave, Stanley No. 67.

Squares

Sargent Steel Carpenter, No. 30.
Disston Try, No. 5½, 6 in.
Disston Try, No. 5½, 8 in.
Stone, India Combination Oil,
No. 29.
Vise, Athol, No. 622½.

Wrenches

Williams' Machinist, 8 in.
Trimo Pipe, 10 in.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COMBINATION BENCH AND TOOL CABINET "Gnome Brand"



No. 75

**Left End View**

End tool racks have inside space, available for tools, 14 $\frac{1}{4}$ inches wide, 22 inches high, 3 inches deep.

Approximate shipping weight of cabinet complete with tools 330 pounds.

Top of bench made of hard maple, bolted and glued together. Has rapid acting vise and adjustable metal planing stop. Cabinet made almost entirely of oak, with solid brass hardware except drawer pulls which are of oak.

Bench—Top 50 inches long, 22 inches wide, 2 $\frac{1}{4}$ inches thick, tool recess at back 7 inches wide; height 33 $\frac{1}{2}$ inches.

Drawers—Top and middle, 18 $\frac{3}{4}$ x 16x6 inches; bottom, 29 $\frac{1}{2}$ x 16x6 $\frac{1}{2}$ inches, fitted with tool racks.

Cupboard—9 $\frac{1}{2}$ inches wide, 16 $\frac{1}{2}$ inches deep, 14 inches high.

	Each
No. 75—With tools.....	\$120.00
No. 075—Cabinet only....	73.00
Tools only.....Set,	49.50

Note—For tool contents see opposite page.

Prices Subject to Market Changes

COMBINATION BENCH AND TOOL CABINET No. 75

"Gnome Brand"

(Illustrated on Opposite Page)

List of Tools for Outfit No. 75

Awl, H. S. Co. Handled Brad, 1½ in.
Awl, H. S. Co. Handled Scratch,
2 in.

Bevel, Disston Sliding Tee, No. 2,
8 in.

Bits

Russell Jennings Auger, 4, 6 and
8/16ths.

Bit, Clark's Expansive, Small.

Bit, H. S. Co. Gimlet, 4 and 6/22ds.

Bit, B. M. Co. Screw Driver, No.
10, ½ in.

Blade, Starrett Hack Saw, No. 103,
8 in.

Box, Utility, No. 10.

Brace, M. F. Co., Bit, No. 323.

Chisel, Buck Bros. Firmer, No. 2,
¼, ½ and 1 in.

Countersink, B. M. Co. Rose, No.
10, ½ in.

Cutter, Glass, No. 2.

Divider, Winged, No. 106, 6 in.

Drill, M. F. Co. Hand, No. 1.

Files, K. & F., Handled.

Half Round Bastard, 8 in.

Slim Taper, 5½ in.

Warding Bastard, 4 in.

Frame, H. S. Co. Hack Saw, No. 100.

Gauge, Stanley Marking, No. 64½.

Gouge, Buck Bros. Firmer, No. 8,
¾ in.

Hammers

Hammond Adze Eye Nail, No. 2.

H. S. Co. Riveting No. 0.

Hatchet, Hammond Half, No. 30-1.

Draw Knife, Buck Bros., No. 71½,
6 in.

Level, Stanley, No. 184, 18 in.

Mallet, Round Hickory, No. 4.

Oiler, Coppered Steel, No. 12.

Pincers, Carpenter, No. 49, 6 in.

Planes.

Stanley Jack, No. 5.

Stanley Block, No. 18.

Plier, Combination, No. 1880, 7 in.

Rasp, K. & F. Cabinet, Handled,
8 in.

Reamer, B. M. Co. Square, No. 40.

Rule, Stanley Boxwood, No. 53.

Saw, Disston Back, No. 4, 10 in.

Saws.

Disston Hand Rip, No. 7, 22 in.

Disston Hand Cross Cut, No. 7,
22 in.

Disston Keyhole Pad, No. 10.

Screw Drivers.

Yankee, No. 90, 5 in.

Yankee, No. 95, 3½ in.

Set, H. S. Co., Nail, No. 10.

Spokeshave, Wood Adjustable Iron,
No. F-1.

Squares.

Sargent Steel Carpenters, No. 12.

Disston Try, No. 1, 6 in.

Stone, Carborundum Oil, Mounted,
No. 122.

Vise, Stanley Jersey Special, No.
761-S.

Wrenches.

Williams Machinist, 8 in.

Trimo Pipe, 10 in.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

MANUAL TRAINING OUTFIT

H. S. & Co.

No. 25A

The tools in this outfit are all of the highest grade, fully guaranteed.

Bench made of carefully selected and thoroughly seasoned maple, very rigid and strong. Fitted with Rapid Acting Head Vise.

While designed primarily for manual training use, it makes an excellent outfit for home use.



Each	Each
No. 25A—With 28 tools....\$69.00	No. 025A—Bench only.....\$49.00
Tools Only	Set \$22.00

Approximate shipping weight of bench complete with tools 200 pounds.

Contents of No. 25A Outfit

Buck Bros. Handled and Sharp- ened Firmer Chisels, No. 2, $\frac{1}{4}$ and $\frac{1}{2}$ in.	Stanley Beech Marking Gauge No. 64 $\frac{1}{2}$.
Buck Bros. Handled and Sharp- ened Firmer Gouge, No. 8, $\frac{3}{8}$ in.	Yankee No. 90 Screwdriver, 4 in.
Disston Back Saw, No. 4, 10 in.	Stanley Boxwood Rule, No. 18, 2 foot, 2 fold.
Disston Hand Saw, No. 7, 22 in.	Round Hickory Mallet, No. 4.
Hammond Adze-eye Hammer, No. 3.	H. S. & Co. Handled Brad Awl, 1 $\frac{1}{4}$ in.
Stanley Iron Block Plane, No. 9 $\frac{1}{2}$.	P. S. & W. Winged Dividers, No. 106, 6 in.
Stanley Iron Smooth Plane, No. 3.	Bench Duster, No. 10.
Imported Gimlet Bits, $\frac{1}{8}$ and $\frac{1}{4}$ in.	H. S. & Co. Knurled Nail Set.
Russell Jennings Dowel Bits, $\frac{3}{8}$ and $\frac{1}{2}$ in.	H. S. & Co. Sloyd Knife, No. 7.
Barber Nickel Plated Bit Brace, No. 223, 8 in.	Stanley Iron Spokeshave, No. 53.
Rose Countersink, No. 10, $\frac{3}{8}$ in.	India Oil Stone, No. 29, in iron box.
Disston Hardened Blade Try Square, No. 5 $\frac{1}{2}$, 6 in.	H. S. & Co. Maple Bench Hook.
	Manual Training School Bench, Style S.

Prices Subject to Market Changes

MANUAL TRAINING OUTFITS

H. S. & Co.

We wish to impress upon all who are interested in manual training work, that the tools in these various outfits are all of the highest grade. Our hobby since 1848 has been to handle only the best, and our extended experience has proven time and again that only the best tools obtainable should be used for manual training. In the hands of beginners, tools are usually put to severe and undue strain and unless quality is there they are bound to give way. Every tool is warranted to be perfect.

Equipment for Class of 10 Pupils

Individual Tools

- 10 Buck Bros. Handled and Sharp-ened Firmer Chisels, $\frac{1}{4}$ inch.
- 10 Buck Bros. Handled and Sharp-ened Firmer Chisels, $\frac{1}{2}$ inch.
- 10 Buck Bros. Handled and Sharp-ened Firmer Gouges, $\frac{3}{8}$ inch.
- 10 Disston Back Saws, No. 4, 10 in.
- 10 Hammond Adze Eye Hammers, No. 3.
- 10 Stanley Iron Block Planes, No. 9 $\frac{1}{2}$.
- 10 Stanley Iron Smooth Planes, No. 3.
- 10 Stanley Iron Spokeshaves, No. 53.
- 10 Imported Gimlet Bits, $\frac{1}{8}$ in.
- 10 Imported Gimlet Bits, $\frac{1}{4}$ in.
- 10 Russell Jennings Genuine Dowel Bits, $\frac{3}{8}$ in.
- 10 Russell Jennings Genuine Dowel Bits, $\frac{1}{2}$ in.
- 10 Barber Nickel Plated Braces, No. 223, 8 in.
- 10 Disston Hardened Blade Try Squares, No. 5 $\frac{1}{2}$, 6 in.
- 10 Stanley Beech Marking Gauges, No. 64 $\frac{1}{2}$.
- 10 Hurwood No. 20 Screw Drivers, 4 in.
- 10 Stanley Boxwood Rules, No. 18, 2 foot, 2 fold.
- 10 Round Hickory Mallets, No. 4.
- 10 H. S. & Co. Maple Bench Hooks.
- 10 H. S. & Co. Handled Brad Awls, 1 $\frac{1}{4}$ in.
- 10 Winged Dividers, No. 106, 6 in.
- 10 Bench Dusters, No. 10.
- 10 H. S. & Co. Knurled Nail Sets, No. 10.
- 10 H. S. & Co. Sloyd Knives, No. 7.

Class Tools

- 1 Buck Bros. Handled and Sharp-ened Firmer Chisel, $\frac{3}{4}$ in.
- 1 Buck Bros. Handled and Sharp-ened Firmer Chisel, 1 in.
- 1 Buck Bros. Handled and Sharp-ened Firmer Gouge, $\frac{3}{4}$ in.
- 1 Disston Crosscut Saw, No. 7, 22 in.
- 1 Disston Rip Saw, No. 7, 22 in.
- 1 M. F. Co. Turning Saw, 14 in. with blade.
- 1 Stanley Wood Jack Plane, No. 26.
- 1 Stanley Iron Rabbet and Fil-lister Plane, No. 78.
- 1 Russell Jennings Genuine Dowel Bit, $\frac{3}{8}$ in.
- 1 Russell Jennings Genuine Dowel Bit, $\frac{1}{2}$ in.
- 1 Handled K. & F. Flat Bastard File, 8 in.
- 1 Handled K. & F. Half-round Bastard File, 8 in.
- 1 Handled K. & F. Round Bastard File, 8 in.
- 1 Handled K. & F. Square Bastard File, 8 in.
- 2 Rose Countersinks, No. 10, $\frac{5}{8}$ in.
- 2 Medium India Oil Stones, No. 29, mounted in metal boxes.
- 1 Disston Sliding T-Bevel, No. 2, 8 in.
- 12 Genuine Jorgensen Adjustable or Rigid Hand Screws, 10 in.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

TOOL OUTFIT AND CABINET

"Gnome Brand"



No. 10

Dimensions of cabinet, 22 inches high, 14 inches wide, 6 inches deep.
Wall cabinet made of oak and contains the tools described below.

No. 10—Complete, with tools.....	Each \$27.00
No. 010—Cabinet only	Each 14.75
Tools only	Set 13.25

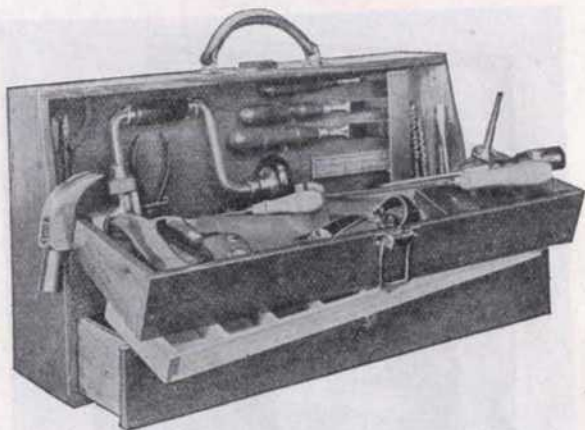
Contents of No. 10 Outfit

Awl, H. S. & Co., handled brad, 1 1/4 inches	Hammer, Hammond, Adze Eye, No. 2
Bits, Russell Jennings Dowel, 6-16 and 8-16 inch	Oiler, Coppered Steel, No. 12
Bits, H. S. & Co., Gimlet, 4-32 and 6-32 inch	Plane, Stanley Block, No. 9 1/2
Bit, B. M. & Co., Screw Driver, No. 10, 3/8 inch	Pliers, Jordan Combination, No. 1302
Brace, M. F. Co., No. 1323	Rule, National, No. 574, 4 foot
Chisel, Buck Bros., Firmer, No. 2, 1/4, 1/2 and 3/4 inch	Saw, Black Diamond, No. 705, 18 inch
Countersink, No. 315, 1/2 inch	Screw Driver, Stanley, No. 20, 4 inch
Divider, Winged, No. 106, 6 inch	Set, H. S. & Co., Nail, No. 10, Size 2
File, K. & F., Half Round Bastard, 6 inch, with handle	Square, Disston's Try, No. 5 1/2, 6 in.
	Stone, Pike Oil Washita, No. 6

Prices Subject to Market Changes

TOOL OUTFIT AND CHEST

"Gnome Brand"



No. 12

A portable outfit which can be carried around more easily than wall cabinets; in fact, brought directly to the work. Polished oak, 22 $\frac{1}{8}$ inches long, 5 $\frac{3}{4}$ inches wide, 12 inches high; fitted with leather handle and brass finished hardware.

No. 12—Complete, with tools.....	Each	\$27.00
No. 012—Chest only	Each	14.75
Tools only	Set	13.25

Contents of No. 12 Outfit

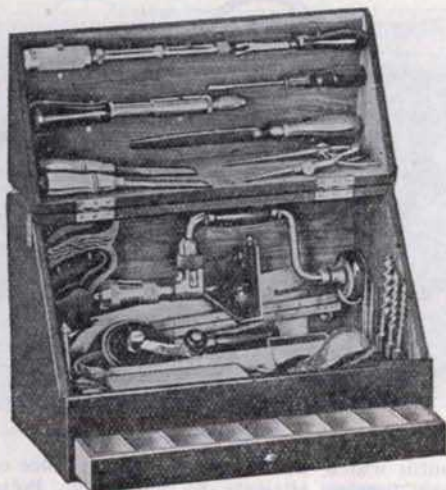
Awl, H. S. & Co., Handled Brad, 1 $\frac{1}{4}$ inch	Hammer, Hammond, Adze Eye, No. 2
Bits, Russell Jennings Dowel, 6-16 and 8-16 inch	Oilier, Coppered Steel, No. 12
Bits, H. S. & Co., Gimlet, 4-32 and and 6-32 inch	Plane, Stanley Block, No. 9 $\frac{1}{2}$
Bit, B. M. & Co., Screw Driver, No. 10, $\frac{3}{8}$ inch	Pliers, Jordan Combination, No. 1302
Brace, M. F. Co, No 1323	Rule, National, No. 574, 4 foot
Chisel, Buck Bros., Firmer, No. 2, $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch	Saw, Black Diamond, No. 705, 18 inch
Countersink, No. 315, $\frac{1}{2}$ inch	Screw Driver, Stanley, No. 20, 4 inch
Divider, Winged, No. 106, 6 inch	Set, H. S. & Co., Nail, No. 10, Size 2
File, K. & F., Half Round Bastard, 6 inch, with handle	Square, Disston's Try, No. 5 $\frac{1}{2}$, 6 inch
	Stone, Pike Oil Washita, No. 6

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

TOOL OUTFIT AND CABINET

"Gnome Brand"



No. 14

Dimensions of cabinet, 16 inches long and $8\frac{1}{2}$ inches wide. Walnut finished cabinet, fitted with carrying handle, and contains the tools described below.

No. 14—Complete, with tools.....	Each \$46.00
No. 014—Chest only	Each 12.50
Tools only	Set 34.50

Contents of No. 14 Outfit

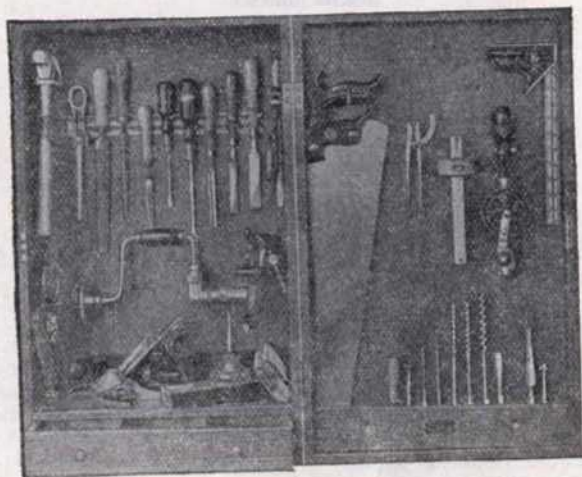
Utility Box No. 2 complete.
 Bits, R. & J., Dowel, length 4-16, 6-16 and 8-16 in.
 Bit, Stanley, Screw Driver, No. 26, $\frac{3}{8}$ in.
 Brace, M. F. Co., No. 34, 6 in.
 Chisels, Buck Bros., Tang Firmer, No. 4, $\frac{1}{2}$ and $\frac{3}{4}$ in.
 Chisel, H. S. & Co., Octagon, No. 100, 15 in. long
 Claw, H. S. & Co., Tack, No. 124 $\frac{1}{2}$
 Drill, Yankee, No. 41
 Drill, Yankee, No. 1530
 Drills, Cleveland, No. 22 set
 Divider, No. 92, 6 in.

Countersink, No. 315, $\frac{5}{8}$ in.
 File, K. & F., Half Round Bastard, 6 in., with handle
 Hammer, No. ON171
 Plane, Stanley, No. 18
 Plier, Vacuum Grip, No. 30, 6 in.
 Punch, Center, No. 264C
 Rule, No. 54, 2 ft.
 Screw Driver, Yankee, No. 30A
 Screw Driver, Yankee, No. 95, $3\frac{1}{2}$ in.
 Saw, No. 101, 13 $\frac{3}{4}$ in.
 Set, Nail, No. 265C
 Stone, No. 109
 Wrench, B. & S., No. 2, $7\frac{1}{2}$ in.
 Square, No. 11, 9 in.

Prices Subject to Market Changes

TOOL OUTFIT AND CABINET

"Gnome Brand"



No. 16

Outside dimensions of cabinet, 29½ inches high, 18 inches wide, 8½ inches deep. Made of oak, and contains the tools as described below.

No. 16—Complete, with tools.....	Each	\$53.00
No. 016—Cabinet only	Each	22.00
Tools only	Set	32.00

Contents of No. 16 Outfit

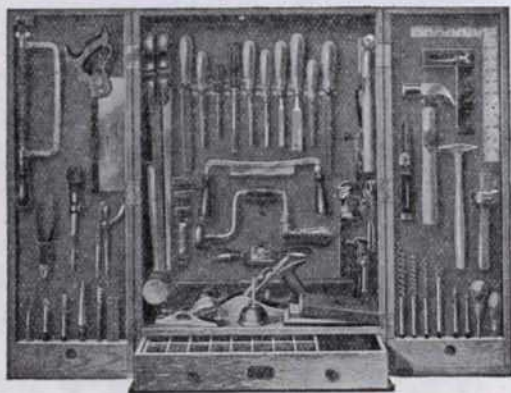
Awl, H. S. & Co., Handled Brad, 1¼ in.	Reamer, B. M. Co., Square, No. 40
Bits, Russell Jennings, 4, 6 and 8-16 in.	Rule, Folding National, No. 574, 4 ft.
Bits, Gimlet, 4 and 6-32 in.	Saw, Black Diamond, No. 705, 20 in.
Bits, Screw Driver, No. 10, ¾ in.	Saw, Disston Keyhole Pad, No. 10
Brace, M. F. Co., No. 1323	Screw Driver, Stanley, No. 20, 4 in.
Chisels, Buck Bros., Firmer, No. 2, ½ and ¾ in.	Screw Driver, Stanley, No. 20, 6 in.
Countersink, No. 315, ½ in.	Set, Nail, No. 10, Size 2
Divider, Winged, No. 100, 6 in.	Square Combination, No. 94, 12 in.
File, K. & F., Half Round Bastard, 6 in., with handle	Sand Paper Block, Johnson's
Drill, Hand, No. 313	Level, Stanley, No. 104
Plane, Stanley Jack, No. 4	Hammer, Hammond, Adze Eye, No. 2
Plane, Stanley Block, No. 9½	Hammer, H. S. & Co., Riveting, No. 0
Offer, Coppered Steel, No. 12	Gauge, Stanley Marking, No. 64½
Plier, Jordan, No. 1032, 6½ in.	Gauge, Buck Bros. Firmer, No. 8, ¾ in.
Rasp, K. & F., Cabinet, 8 in., with handle	Stone, Pike Oil Washita, No. 6
	Jersey Vise, Stanley, No. 741
	Wrench, Knife Handle, Monkey, 6 in.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

TOOL OUTFIT AND CABINET

"Gnome Brand"



No. 18

The cabinet for this outfit is made of solid oak, with locked corners; is trimmed in brass, well finished, and high grade in every detail. The outside dimensions are 33 inches in height, 22 inches wide, and 10 inches deep, and the door is divided to open in the center. When open, the width across entire front is 44½ inches. There is room in the drawer for the utility box No. 2, a small tray divided into compartments for holding an assortment of nails, tacks, hooks and screws, and this box, filled, is included with each outfit. The illustration shows 52 different tools and their compact arrangement.

The tools in this outfit are the best obtainable.

	Each		Each
No. 18—With tools.....	\$78.00	No. 018—Cabinet only.....	\$31.00
Tools Only		Set	\$49.50

Approximate shipping weight of cabinet complete with tools 125 pounds.

Note—For tool contents see opposite page.

Prices Subject to Market Changes

TOOL OUTFIT AND CABINET No. 18

"Gnome Brand"

(Illustrated on Opposite Page)

List of Tools for Outfit No. 18

Awl, H. S. Co. Handled Brad, 1½ in.
Awl, H. S. Co. Handled Scratch,
2 in.

Bevel, Disston Sliding Tee, No. 2,
8 in.

Bits

Russell Jennings Auger, 4, 6 and
8/16ths.

Bit, Clark's Expansive, Small.

Bit, H. S. Co. Gimlet, 4 and 6/32ds.

Bit, B. M. Co. Screw Driver, No.
10, ¾ in.

Blade, Starrett Hack Saw, No. 103,
8 in.

Box, Utility, No. 2.

Brace, M. F. Co., Bit, No. 323.

Chisel, Buck Bros. Firmer, No. 2,
¼, ½ and 1 in.

Countersink, B. M. Co. Rose, No.
10, ¾ in.

Cutter, Glass, No. 2.

Divider, Winged, No. 106, 6 in.

Drill, M. F. Co. Hand, No. 1.

Files, K. & F., Handled.

Half Round Bastard, 8 in.

Slim Taper, 5½ in.

Warding Bastard, 4 in.

Frame, H. S. Co. Hack Saw, No. 100.

Gauge, Stanley Marking, No. 64½.

Gouge, Buck Bros. Firmer, No. 8,
¾ in.

Hammers

Hammond Adze Eye Nail, No. 2.

H. S. Co. Riveting No. 0.

Hatchet, Hammond Half, No. 30-1.

Draw Knife, Buck Bros., No. 71½,
6 in.

Level, Stanley, No. 104, 18 in.

Mallet, Round Hickory, No. 4.

Oiler, Coppered Steel, No. 12.

Pincers, Carpenter, No. 49, 6 in.

Planes.

Stanley Jack, No. 5.

Stanley Block, No. 18.

Plier, Combination, No. 1880, 7 in.

Rasp, K. & F. Cabinet, Handled,
8 in.

Reamer, B. M. Co. Square, No. 40.

Rule, Stanley Boxwood, No. 53.

Saw, Disston Back, No. 4, 10 in.

Saws.

Disston Hand Rip, No. 7, 22 in.

Disston Hand Cross Cut, No. 7,
22 in.

Disston Keyhole Pad, No. 10.

Screw Drivers.

Yankee, No. 90, 5 in.

Yankee, No. 95, 3½ in.

Set, H. S. Co., Nail, No. 10.

Spokeshave, Wood Adjustable Iron,
No. F-1.

Squares.

Sargent Steel Carpenters, No. 12.

Disston Try, No. 1, 6 in.

Stone, Carborundum Oil, Mounted,
No. 122.

Vise, Stanley Jersey Special, No.
761-S.

Wrenches.

Williams Machinist, 8 in.

Trimo Pipe, 10 in.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HOUSEHOLD TOOL CHEST

"Gnome Brand"



No. 8

This Household Tool Chest was designed to take care of almost all the odd jobs which occur about the average house. All of the tools are of excellent quality, and the assortment of nails, screws, etc., is the same as in Box No. 6 shown on page 81. All fitted in a nicely varnished oak box with sliding tray and carrying handle; the dimensions 15 inches long, 10½ inches wide, 5 inches deep.

—Complete, with 11 tools as described below.....Each \$16.00

Contents of No. 8 Outfit

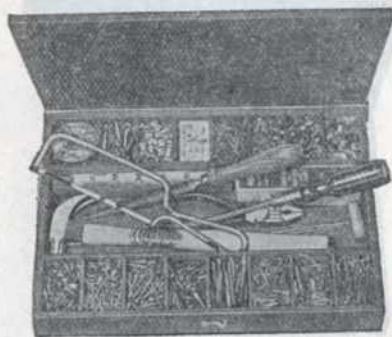
Diamond Hammer
Rule
Cutting Pliers
Automatic Drill
Disston Handy Saw
Stanley Plane

Half Round File with hardwood handle
Stanley Screw Driver
Brad Awl
Chisel
Stillson Wrench

Prices Subject to Market Changes

HOUSEHOLD UTILITY TOOL CHEST

"Gnome Brand"



No. 6

To meet the demand for a more complete Household Utility Box, we have designed this new model. It includes 7 of the most essential tools, and a generous assortment of nails, screws, etc., as described below:

All fitted in a nicely varnished, solid oak box with hinged cover; outside dimensions 13 $\frac{3}{4}$ inches long, 9 $\frac{3}{4}$ inches wide, 2 inches deep.

Contents of No. 6 Household Utility Tool Chest

Hammond Hammer	Tacks
Hand Gimlet	Gilt Nails
Stanley Screw Driver	Thumb Tacks
Side Cutting Pliers	Kitchen Hooks
4 foot Folding Rule	3 sizes of Cup Hooks
Half Round File, with handle	4 sizes of Screw Eyes
6 inch Metal Cutting Saw	19 sizes of Nickel Plated Brass
Tube Du Pont Household Cement	and Iron, Round and Flat Head
Roll Friction Tape	Wood Screws
Push Pins	3 sizes of Nails most needed about
Pushless Hangers	the house

No. 6—Complete, as described above.....Each \$7.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HOUSEHOLD TOOL CHEST

"Gnome Brand"



NEW LOW PRICES ON TOOL OUTFITS AND CABINETS

# 10, Complete	\$21.25
#010, Empty	9.00
# 12, Complete	21.25
#012, Empty	9.00
# 14, Complete	42.25
#014, Empty	8.75
# 16, Complete	44.25
#016, Empty	13.25
# 18, Complete	67.25
#018, Empty	20.25

Hammacher, Schlemmer

Automatic Drill
Disston Handy Saw
Stanley Plane

Stanley Screw Driver
Brad Awl
Chisel
Stillson Wrench

to take care of almost
average house. All of the
ortment of nails, screws,
on page 81. All fitted
ay and carrying handle;
wide, 5 inches deep.

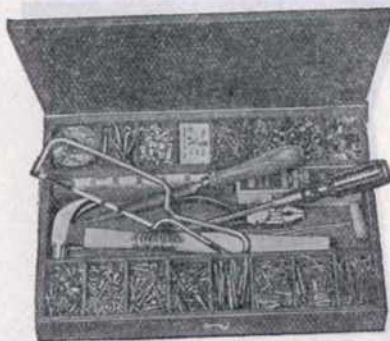
elow.....Each \$16.00

and File with hardwood

Prices Subject to Market Changes

HOUSEHOLD UTILITY TOOL CHEST

"Gnome Brand"



No. 6

To meet the demand for a more complete Household Utility Box, we have designed this new model. It includes 7 of the most essential tools, and a generous assortment of nails, screws, etc., as described below:

All fitted in a nicely varnished, solid oak box with hinged cover; outside dimensions 13 $\frac{3}{4}$ inches long, 9 $\frac{3}{4}$ inches wide, 2 inches deep.

Contents of No. 6 Household Utility Tool Chest

Hammond Hammer
Hand Gimlet
Stanley Screw Driver
Side Cutting Pliers
4 foot Folding Rule
Half Round File, with handle
6 inch Metal Cutting Saw
Tube Du Pont Household Cement
Roll Friction Tape
Push Pins
Pushless Hangers

Tacks
Gilt Nails
Thumb Tacks
Kitchen Hooks
3 sizes of Cup Hooks
4 sizes of Screw Eyes
19 sizes of Nickel Plated Brass
and Iron, Round and Flat Head
Wood Screws
3 sizes of Nails most needed about
the house

No. 6—Complete, as described above.....Each \$7.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HOUSEHOLD UTILITY TOOL CHEST**"Gnome Brand"****No. 4**

For those who do not require such a diversified assortment of tools, we offer Utility Box No. 4 which contains 4 tools and a generous assortment of nails, screws, tacks, hooks, etc., as described below.

All fitted in a nicely varnished, solid oak box with hinged cover; outside dimensions, 13 $\frac{3}{4}$ inches long, 9 $\frac{3}{4}$ inches wide, 1 $\frac{3}{4}$ inches deep.

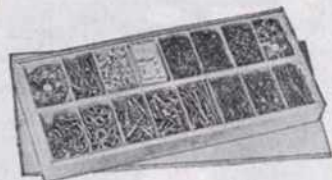
Contents of No. 4 Household Utility Tool Chest

Household Hammer
Hand Gimlet
Screw Driver
4 foot Folding Rule
Tube of Le Page's Glue
Roll Friction Tape
Push Pins
Pushless Hangers
Tacks
Gilt Nails

Thumb Tacks
Kitchen Hooks
3 sizes of Cup Hooks
4 sizes of Screw Eyes
19 sizes of Nickel Plated Brass
and Iron, Round and Flat Head
Wood Screws
3 sizes of Nails most needed about
the house

No. 4—Complete, as described above.....Each \$5.50

Prices Subject to Market Changes

HOUSEHOLD UTILITY BOX**"Gnome Brand"****No. 2**

Utility Box No. 2 is a handy nail and screw box, fitted with 16 compartments and slide cover; outside dimensions, 15 inches long, 7 inches wide, 1 $\frac{3}{4}$ inches deep.

Contains assortment of brads, nails, screws and tacks as listed below.

Contents of No. 10 Household Utility Box

Roll Friction Tape	3 sizes of Cup Hooks
Push Pins	4 sizes of Screw Eyes
Pushless Hangers	19 sizes of Nickel Plated Brass
Tacks	and Iron, Round and Flat Head
Gilt Nails	Wood Screws
Thumb Tacks	3 sizes of Nails most needed about
Kitchen Hooks	the house

No. 2—Complete, as described above.....Each \$2.25

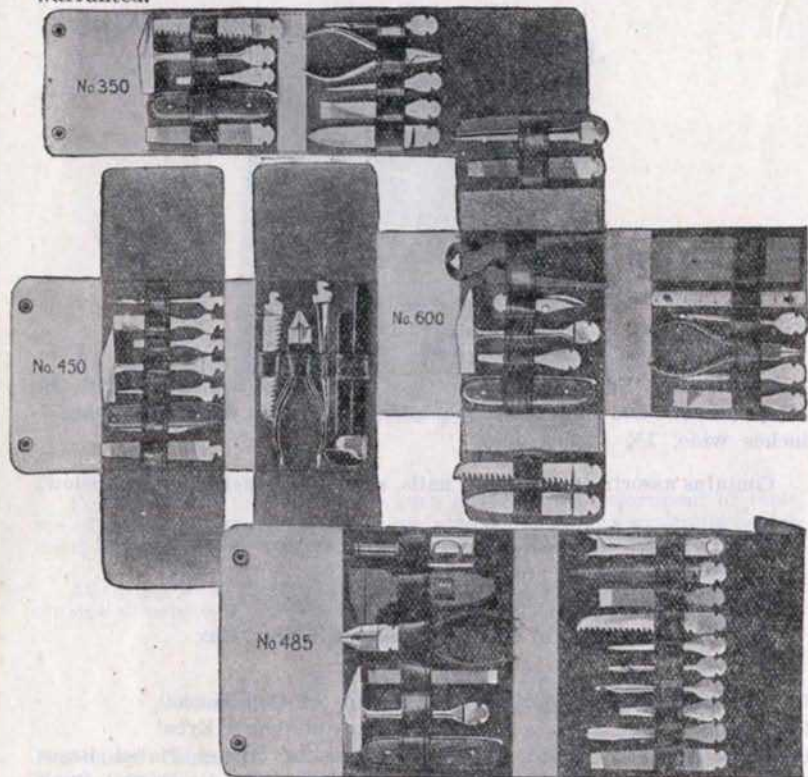
Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

POCKET TOOL KITS

In Leather Cases

Tool holder with rosewood handle. All tools of best quality, fully warranted.



- No. 350**—Consists of tool holder, knife blade, combination flat file and screw driver, hammer, small screw driver, saw blade, gimlet bit, chain nose plier, 4 inch reamer and chisel $\frac{1}{2}$ inch.....Each \$6.30
- No. 450**—Consists of tool holder with knife blade, combination flat file and screw driver reamer, small screw driver, chisel $\frac{1}{2}$ inch, saw blade, hammer, gimlet bit, combination plier $5\frac{1}{2}$ inch, three cornered file and adjustable monkey wrench.....Each \$8.00
- No. 600**—Consists of tool holder, knife blade, hammer, chisel, screw driver, can opener, three cornered file, combination flat file and screw driver, reamer, gimlet bit and saw blade all interchangeable in tool holder; also end nippers, round nose pliers, ruler and sharpening stone....Each \$10.00
- No. 485**—Consists of brown leather case, beechwood handle, hammer, chisel, round file, combination flat file, two screw drivers, one each large and small reamer, two gimlet bits, saw blade, 5 inch combination plier, adjustable wrench oil can, cold chisel and compass, all interchangeable in handle; tools are of best quality—fully warranted.....Each \$11.50

Prices Subject to Market Changes

HOLLOW TOOL HANDLES

Millers Falls

Nickel plated steel chuck and jaws. The socket and shell threads are carefully cut in order to mesh perfectly and insure holding the shell tight against the jaws.

Cocobolo handle, shaped to fit the hand comfortably, and with exceptionally smooth, highly polished surfaces. Threads on screw caps are deep and clean cut.

Tools are of high grade steel carefully tempered and honed to a keen cutting edge.



Ten Tools

No. 5—Consists of handle and ten tools as illustrated, length of handle $7\frac{1}{2}$ inches; length of tools 4 inches; weight each 14 ouncesEach \$2.40

Ten Tools

No. 4—Consists of handle and ten tools as illustrated, length of handle $6\frac{1}{4}$ inches; length of tools $2\frac{1}{4}$ inches; weight each 10 ouncesEach \$1.75

AWLS

Stanley "Hurwood"

Blade, shank and head formed of one piece of steel, carefully tempered point; two patent projecting wings under head, together with a rivet passing through the steel ferrule, handle and shank, securely fasten the blade in the handle. Handle stained black.

BRAD AWLS Hurwood



Flat Point

No.	17
Length blade, inches.....	$1\frac{1}{4}$
Length over all, inches....	5
Weight each, ounces.....	2
Each	\$0.32

SCRATCH AWLS Hurwood



Needle Point

Nos.	6	7
Length blade, inches.....	$2\frac{3}{4}$	$3\frac{1}{2}$
Length over all, in... ..	$5\frac{5}{8}$	$6\frac{1}{2}$
Weight each, oz.....	2	3
Each	\$0.35	.35

SCRATCH AWLS

Buck Bros.



Forged steel blade, maple handle, heavy ferrule.

No. 86—Length of blade 4 inches, length over all 7 inches; weight each 2 ounces.....Each \$0.17

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

AUDELS CARPENTERS AND BUILDERS GUIDES**Tools, Steel Square, Saw Filing**

Subjects Covered—How to know and use the different woods—complete information on nails and screws—how to use and sharpen tools—how to file and set saws—how to make joints—how to build furniture—how to make a tool box, work benches and trestles—how to make a mitre box and mitre shooting board—how to plumb and level—how to use chalk line—how to lay out work—how to use rules—how to use vises and clamps—how to use all the carpenter's tools with over 900 illustrations showing how. Basic information that every carpentry worker must have.

Guide No. 1—431 pages, 1200 illustrations Each \$1.43

Guide No. 2—Arithmetic, Drawing Plans

Subjects Covered—How to understand carpenter's arithmetic—how to understand geometry—how to understand trigonometry—how to solve mensuration problems—how to estimate the strength of timbers—how to proportion beams—how to use drawing instruments—how to read plans—how to survey—how to draw up specifications—how to estimate costs—how to build houses, barns, garages, bungalows, etc.—specification tables—building suggestions with elevations.

Guide No. 2—455 pages, 400 illustrations..... Each \$1.43

Guide No. 3—Framing, Laying Out Work

Subjects Covered—How to excavate and build foundations—how to waterproof—how to build forms for concrete—how to frame houses—how to set girders and sills and frame joists—how to construct a well hole—how to build scaffolds—how to frame braces, girts and rib bands—how to use the settings 12, 13 and 17 on the steel square—how to lay out mitre cuts—how to use tangents.

Guide No. 3—255 pages, 400 illustrations..... Each \$1.43

Guide No. 4—Doors, Windows, Stairs, Millwork

Subjects Covered—How to put on wood, fibre and metal shingles—how to lay gravel roofs—how to lay tin roofs—how to hang doors—how to put on exterior trim—how to do cornice work—how to build stairs—how to lath—how to lay floors—how to put on interior trim—how to paint—how to give first aid to the injured.

Guide No. 4—448 pages, 400 illustrations..... Each \$1.43

Prices Subject to Market Changes



BOOK OF INSTRUCTIONS

How to Work with Tools and Wood—for the Home Workshop

This book is a manual for the home workman, giving him complete information on the use and care of wood working tools. It contains 185 pages and over 150 illustrations which explain in a straightforward manner all the processes of working with tools and wood. The book was written by a practical man who knows wood-working and how to use tools. It is durably bound in dark blue cloth binding and is written in non-technical and simple language that all may understand.

Each\$1.00

WOOD CARVING**With Suggestions in Chip Carving**

(By Thomas C. Simmonds)

This book is devoted to wood carving, with suggestions in chip carving, and contains many illustrations and full descriptions of the woods, tools, etc., used in wood and chip carving, with an entire chapter on the sharpening and care of tools.

91 pages, 5½x7½ inches, postpaid.....Each \$1.00

BOOKS FOR THE HOME WORKSHOP

Popular Mechanic Boat Book.....	Each	\$0.50
The Boy Mechanic—Volumes 1, 2, 3, 4 (set of 4 volumes)....	Set	8.00
Carpenters' Handbook	Each	1.50
Household Carpentry Guide.....	Each	1.35
Wood Working for Amateur Carpenters.....	Each	1.00
Concrete Handbook	Each	1.00
Built-in Furniture	Each	2.50
How to Make Mission Furniture—Volumes 1, 2, 3 (set of 3 volumes)	Set	\$3.00
Art Crafts Lamps.....	Each	1.00
Lamps and Shades.....	Each	1.00
Lathe Handbook	Each	.50
Home Mechanics	Each	.50
Practical Uses of the Steel Squares—Volumes 1, 2..	Each	1.70
Fix It Yourself.....	Each	1.00
Make It Yourself.....	Each	3.00
Course in Wood Turning.....	Each	1.50

FRET SAW DESIGNS

H. S. & Co.

(In Book Form)

Size A—For beginners, showing 12 different designs.....Each \$0.75

Size B—A larger size book having a greater variety of larger and more complicated designsEach \$1.50

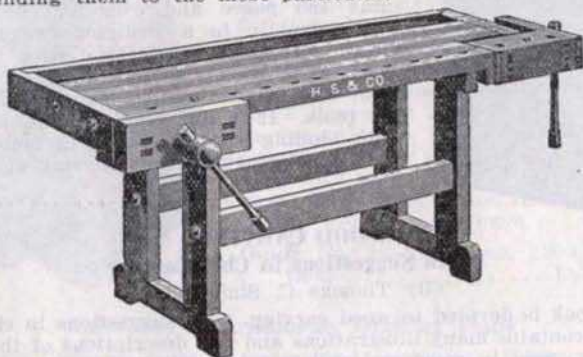
Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WORK BENCHES

H. S. & Co.

We call attention to the superior quality of our Benches. They are not the ordinary kind made to sell in competition with the cheapest, but are made of seasoned stock, carefully and scientifically put together. The lumber is cut and prepared before use, giving sufficient time to dry and cure, and will not warp or crack after a short period, as the inferior and cheaper-priced benches so often do. We take pleasure in recommending them to the most particular.



(Cut shows Style B)

Style B

Substantially built of hard white northern maple, thoroughly seasoned. Glued and well finished, working top 16 inches wide; tool recess 8 inches wide; top over all 78x24 inches; height 34 inches; legs 2x3 inches. Two wood bench vises; no drawer.

Style B—With two medium stops and wooden bench screws; shipping weight 180 pounds.
Each\$36.00

No. BB—Same as Style B, except has 2 iron instead of wooden bench screws.....Each \$36.00

Style E

Imported, hand made of Austrian red beech, waxed finish. Uprights made of 4 inch square timbers. Top, exclusive of vise, 78x24 inches, 2½ inches thick, 6 inch recess, 33 inches high, two iron stops. Head vise 22 inches wide, opens 10 inches, provided with device for equalizing strain when work is clamped at one end.

Tail vise 6¼ inches wide, opens 9½ inches, with locked corners. Drawer 15 inches wide, 15½ inches deep, 4½ inches high.

Style E—Weight 230 pounds.....Each \$55.00

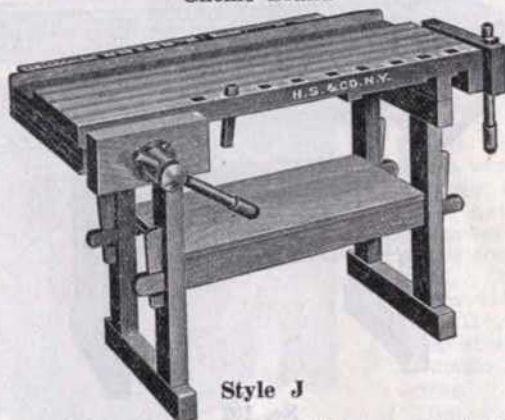
Style M

Similar to style B but smaller. Made of maple. Top exclusive of vises is 51 inches long; 20 inches wide, 2⅝ inches thick, 6 inch recess; height 33 inches. Has two wood stops. Head vise 14 inches wide, opens 12 inches. Tail vise 6 inches wide, opens 6½ inches.

Style M—Weight 115 pounds.....Each \$33.00

Prices Subject to Market Changes

WORK BENCHES "Gnome Brand"



Style J

Made of maple, except vise screws, which are second growth hickory. Top, 48 inches long, 18 inches wide, 2 inches thick, with 6 inches recess; 32 inches high. Has two wooden stops. Head vise 12 inches wide, opens 8½ inches. Tail vise 12 inches wide, opens 10 inches.

Style J—Weight 105 pounds.....Each \$24.50



Style L

Made of maple, except vise screws, which are hickory. 42 inches long, 20 inches wide, 2 inches thick, with 6 inches recess; 32 inches high. Has two wooden stops. Head vise 12 inches wide, opens 10 inches. Tail vise 12 inches wide, opens 8 inches.

Style L—Weight 90 pounds.....Each \$19.00

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WORK BENCHES



No. 102

Designed primarily for the home work shop. Made of well seasoned maple throughout, fitted with Rapid-Acting Vise and Steel Bench Dog. Top 42 inches long, 22 inches wide, $1\frac{3}{4}$ inches thick, with 7 inch recess. Drawer $5\frac{1}{2}$ inches high, 22 inches wide, and 19 inches deep.

No. 102—Weight 110 pounds.....Each \$28.00



No. 104

An excellent bench for home use. Made of maple. Top 52 inches long, 22 inches wide, $2\frac{1}{4}$ inches thick, with 7 inch recess. Drawers measure 5 inches high, 17 inches deep, 32 and $15\frac{1}{2}$ inches long. Stands 32 inches high. Fitted with No. 3 Rapid Acting Vise, Steel Dog and Malleable Bench Stop.

No. 104—Weight 215 pounds.....Each \$52.00

Prices Subject to Market Changes

COMBINATION BENCHES AND CABINETS

"Gnome Brand"

Style S



Top drawer, 18 inches wide, 15½ inches deep, 4¼ inches high. Middle drawer, 18 inches wide, 15½ inches deep, 4½ inches high. Bottom drawer, 29 inches wide, 15½ inches deep, 6¼ inches high. Cupboard, 10 inches wide, 16 inches deep, 11¼ inches high. Head vise No. 230, size 2, maple faced, rapid acting.

Top, 48 inches long, 18 inches wide, 2 inches thick, with 6 inch recess.

Style S—Weight 155 pounds.....Each \$49.00

Style P—Same as Style S except that head vise is similar to one on Style J shown on page 89.....Each \$35.00

No. 075



Bench top 50x22 inches, 2¼ inches thick; height 33½ inches. Equipped with rapid acting vise and adjustable metal planing stop.

Cabinet made almost entirely of oak, with solid brass hardware, except drawer pulls which are of oak.

Bottom drawer fitted with saw racks and is 29½x16x6½ inches. Top and middle drawers 18¾x16x6 inches. Cupboard 9½x16½x14 inches. End tool racks 14¼ inches wide and 22 inches high, inside measurements.

No. 075—Approximate weights: boxed, 275 pounds; not boxed, 200 poundsEach \$67.50

Prices Subject to Market Changes

WORK BENCH



Juvenile

Made of seasoned hardwood throughout, nicely varnished. Top consists of glued-up wood pieces, matched on end, making a dent-proof and lasting surface. Shipped knocked down top and vise complete. Legs and frame fit together with bolts. Can be quickly assembled into a rigid and solid work bench.

No. 40—Length 40 inches; width $16\frac{1}{2}$ inches; height $28\frac{1}{2}$ inches; thickness of top $1\frac{1}{2}$ inches; drawer $26\frac{1}{4} \times 15\frac{1}{2} \times 4\frac{1}{2}$ inches; iron screw vise opens 5 inches; individual weight 65 lbs...Each \$17.00

MACHINIST OR GARAGE BENCH

H. S. & Co.

Made of hard maple, shel-laced top, 48 inches long, 23 inches wide and 2 inches thick. Stands 38 inches high. Three drawers, each 23 inches wide, 19 inches deep, 8 inches high. Cupboard, 30 inches high, 20 inches deep and $10\frac{1}{2}$ inches wide.

No. 28—Without vise.
Each\$39.00

No. 27—With one drawer.
Each\$24.00



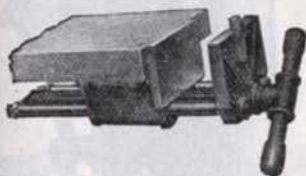
Prices Subject to Market Changes

WOODWORKERS VISES

Richards-Wilcox Rapid Action Sliding Vise, Quick Acting Nut

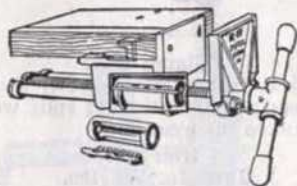
Equipped with new two-piece cam operated nut. Instantaneous adjustment. Continuous in action. Operates entire length. Cold rolled steel guides.

Best gray iron jaws with ground and finished working surfaces. Screw 1 inch diameter, four threads to the inch.



With Stop in Front Jaw

Nos.	430S-2
Width jaws, inches.....	10
Depth, inches	5
Opens, inches	12
Weight each, lbs.....	42
Each	\$8.20



Without Stop

Nos.	430-2
Width jaws, inches.....	10
Depth, inches	5
Opens, inches	12
Weight each, lbs.....	42
Each	\$7.55

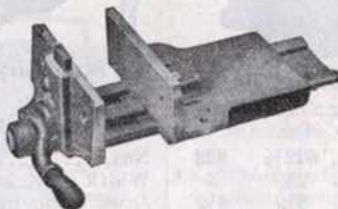
Sheldon Rapid Acting Vise

Constructed on the principle of a machinists' vise, outer jaw and slide being in one piece. When vise jaw is brought in contact with work, the first part of movement of handle raises milled rack into engagement with a 14-tooth steel section. The following part of movement draws front jaw against work by means of cam in front of handle. The movement of slide is absolutely free when handle is in vertical position. Holes through jaws permit wooden faces to be easily attached.

With Stop

Jaws 3x7 inches.

No. 3—Opens 8½ inches; weight 27 pounds.....
.....Each \$8.35



Cut shows No. 3.

Without Stop

Jaws 3x7 inches.

No. 4—Opens 9 inches; weight 25 pounds.....
.....Each \$7.15

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BENCH VISES

Stanley

**Clamp Base**

Cold rolled steel screw, square thread; malleable nut; split washer takes up wear.

Iron Jaws

No.	Jaws, in.	Wt., lbs.	Each
741	1½	3	\$1.30

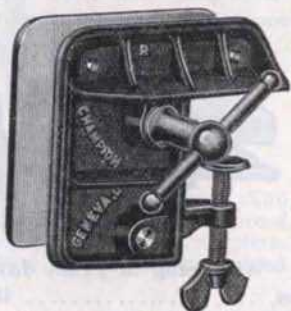
Steel Jaws

Nos.	Jaws, in.	Wt., lbs.	Each
761	1½	3	\$1.65
762	1¾	3¼	1.90
763	2	3½	2.20
765	2½	5	3.00
766	3	8¾	4.50

HANDY VISES

Champion

A practical wood workers vise. Can be carried in the carpenters kit. Fastens to anything from ⅞ to 2¼ inch thick, bench, scaffold, buck, etc.

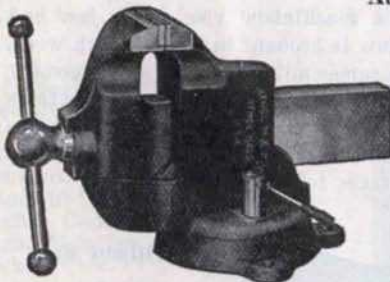


No. 555—Iron jaws; weight 4 pounds Each \$3.00

No. 655—Aluminum jaws; weight 2¾ pounds..... Each \$5.00

MACHINISTS VISES

Athol

**Stationary Jaw, Swivel Base**

Semi-steel casting; tool steel jaw faces welded to vise.

Nos.	622½	623
Width jaw, inches..	2½	3
Jaws open, inches..	3½	4¼
Weight, lbs.....	16	27
Each	\$10.20	11.05

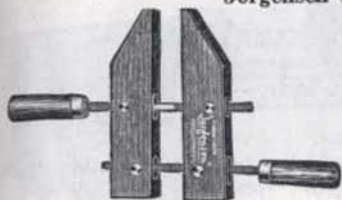
**Stationary Jaw and Base**

Semi-steel casting; tool steel jaw faces welded to vise.

Nos.	613	614
Width jaw, inches..	3	4
Jaws open, inches..	4¼	6
Weight, lbs.....	22	44
Each	\$8.50	10.85

Prices Subject to Market Changes

HAND SCREWS Jorgensen Peerless Adjustable



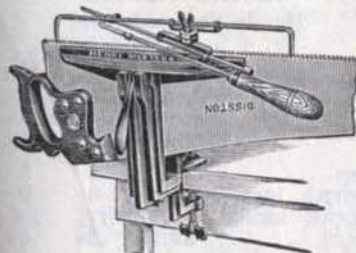
Adjustable to Any Angle or Position

Nearly twice as fast as any other hand screw made, its spindles being equipped with a right and left hand thread. Its jaws can be adjusted to any angle, thus doing away with the necessity of squaring up irregular surfaces, which every other clamp requires. Hard maple jaws, oil finish; spindles and sockets made of steel, right and left thread.

Nos.	5/0	4/0	3/0	2/0	0	1	2	3	4	5
Jaws open, inches.	2	2½	3	3½	4½	6	8½	10	12	14
Length jaws, in..	4	5	6	7	8	10	12	14	16	18
Weight each, lbs.	⅞	1½	⅞	1	1½	2½	4½	5	7	8½
Each	\$0.95	1.00	1.15	1.25	1.30	1.50	1.70	1.90	2.25	2.65

Note—Can also be furnished Rigid Non-adjustable, prices on application.

SAW FILING GUIDES Disston



Guide and Clamp Complete

Especially designed to assist those not skilled in the art of saw-filing to file a saw correctly. Use a 5½ inch slim taper file.

No. D3—Length of jaw 12½ inches; complete with filing guide, clamp, file and handle.....Each \$4.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

CARPENTERS CLAMPS

Stearns "T" Steel Bar



Regular Size

Special quality stiff steel "T" bar, $\frac{1}{8} \times 1\frac{1}{2}$ inches; malleable iron sliding jaws and pawl; $\frac{5}{8}$ inch steel screw.

No 1—Opens, feet.....	1½	2	2½	3	4	5
Weight each, lbs.....	6½	7	7½	8	9	10
Each	\$2.10	2.15	2.20	2.30	2.50	2.90

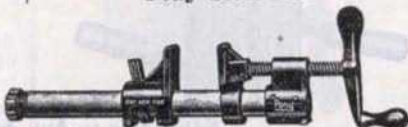
SCREW CLAMPS

Carriage Makers



CLAMP FIXTURES

Pony Steel Bar



Malleable iron, with ball and socket swivel.

Nos.	Opens, Inches	Depth, Inches	Each
11	2	1½	\$0.30
12	2½	1½	.30
13	3	2½	.35
14	4	2½	.45
15	5	2½	.55
16	6	2¾	.75
17	7	2¾	.90
18	8	3½	1.10
20	10	3½	1.45
22	12	3½	1.85

Foot with Multiple Disc Clutch

Can be assembled on regular $\frac{3}{4}$ inch iron pipe without tools or changed quickly from one pipe to another. Longer or shorter clamps, or repairs to damaged clamps are most readily made. Pipe can be coupled in lengths to make a "take-down" clamp. Malleable iron castings, enameled, with steel screws, Acme type threads.

No. 500—Head and tail, without pipe.....Set \$1.80

DRAFTSMEN'S CLAMPS

Handy



Malleable iron, steel screw, swivel head.

Nos.	1	2
Opens, inches.....	$\frac{3}{4}$	$\frac{5}{8}$
Depth, Inches.....	$\frac{5}{8}$	1½
Each	\$0.14	.15

GLUING CLAMPS

Handy Stamped Steel

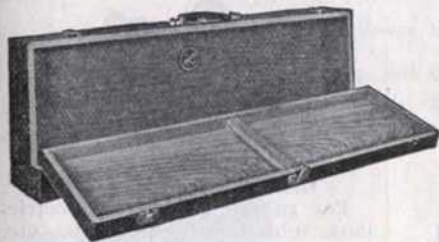


Oil tempered spring. Take the place of old style hand-screws and are very useful for holding glued joints.

Nos.	1	2	3
Length, inches.	4	6	9
Opens, inches..	1	1½	2¾
Each	\$0.25	.30	.60

Prices Subject to Market Changes

CARPENTER TOOL BOXES



H. S. & Co.

Suit Case Pattern

These chests are substantially made of ash, with locked corners and leather handles and are conveniently shaped for carrying. All tops are divided as in illustration.

Nos.	B	2B	XB
Approximate length inside, inches.....	32	27	32
Approximate width inside, inches.....	11 $\frac{1}{4}$	9	12 $\frac{1}{2}$
Approximate depth inside, inches.....	5 $\frac{3}{4}$	6 $\frac{1}{2}$	7
Each	\$5.00	4.30	6.00

KENNEDY ALL-STEEL TOOL KITS



Carpenters Cases

These cases are made of steel, but are lined with wood veneer to protect sharp tools. They are made so that rain will not get into them.

Equipped with two drawers for small tools, a level holder and there is room in No. 31A for a square.

The saw rack which is hinged to the lid will carry four 28 inch saws. Each kit packed in individual carton.

Nos.	31A	31C
Size, inches....	32x7x15	32x11x6
Net weight, lbs.	20 $\frac{3}{4}$	16 $\frac{3}{4}$
Each	\$9.20	7.80



Combination Case

Equipped with two trays. Top tray fitted with folding handle so it may be used as a tote tray. Lower tray divided for small parts and tools. Space under tray is large enough to carry a complete assortment of tools. A strong, well made kit for many uses. Packed in individual carton.

No. 716—Size 16x8x9 inches; net weight 11 $\frac{1}{4}$ lbs.....Each \$5.20

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

KENNEDY ALL-STEEL TOOL KITS

**Mechanics Kit, Bag Shaped**

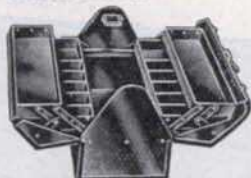
For garage mechanics, repairmen, electricians and others. Easy to carry; has handy divided tray for small parts. Strongly reinforced and will withstand years of hard usage. Has leather handle, side catches, corner irons and multiple change lock. Packed in individual carton.

Nos.	114	118
Size, inches...	14x7x9	18x10x13
Net wt., lbs...	6¼	10¾
Each	\$4.20	4.60

**Flat Top Kits**

Divided tray extends only part of length of kit, having room in end of kit for blow torch. Especially desirable for electricians, linemen and repairmen. Ends double seamed; multiple change lock, side catches and corner irons. Packed in individual carton.

No. 321—Size 21x8x9 inches; net weight 10 pounds...Each \$4.60

**General Mechanics Kit**

For garage mechanics, electricians, plumbers, repairmen, etc. The four trays are linked to lids and swing out as lids are opened. Trays arranged for small tools and parts used most. When closed, top trays fit flush over lower trays. Trays work smoothly and easily. Leather handle, side catches and multiple change locks. Packed in individual carton.

No. 1018—Size 18x10x12½ inches; net weight 15½ pounds.....
.....Each \$6.40

**Flat Top Kits**

Tray may be divided into any size compartments desired by tacking light wood partitions in place. Ends double seamed, reinforced throughout. Leather handle and multiple change lock. Packed in individual carton.

Nos.	Size, Inches	Net Weight, Lbs.	Each
K16	16x8x9	6½	\$2.90
K19	19x8x9	7	3.00
K22	22x8x9	8¼	3.10

Prices Subject to Market Changes

KENNEDY ALL-STEEL TACKLE BOXES

Kantilever Kit

All steel, finished in brown baked enamel; multiple change lock; loop catches; steel core leather handle. Compact, durable, strong, handy and guaranteed water-tight.



The kit can be opened to this position where it takes up little space and gives access to the tackle most frequently used.



By opening the lid, the trays are moved to this position so that the bottom of the kit as well as the plug tray is accessible.



The plug tray may be pushed back to this position giving access to all of the tackle.

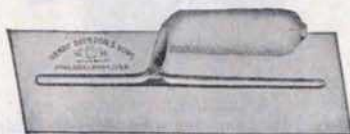
Nos.	TC16	TC21
Size, inches	16½x6½x7	21½x6½x7
Each, without Tackle.....	\$4.80	5.60

Prices Subject to Market Changes

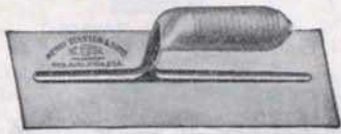
Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

PLASTERERS BROWNING TROWELS**Disston**

Made for first-coat work. Improved mounting of specially treated ferrous metal for perfect balance; slightly heavier than finishing trowel blade. Disston steel blade, hardened and tempered; flexible; lacquer finish; long mounting, fastened to blade with ten countersunk rivets; flat thumb rest. Smooth finish handle; tang through handle, threaded on end to receive steel hexagon barrel nut.

**No. 18—Wood Handle**

Length, inches.....	11	12
Width, inches.....	4 $\frac{3}{4}$	5
Each	\$2.50	2.50

**No. 118—Leather Handle**

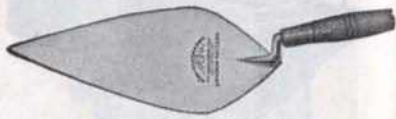
Length, inches.....	11	12
Width, inches.....	4 $\frac{3}{4}$	5
Each	\$3.25	3.25

BRICK TROWELS**Disston**

True taper ground from heel to point and from center to edges for flexibility; post at right angle to blade; handle set for proper lift and clearance; edges shaped for striking brick. Blade, post and tang forged from one piece of Disston steel, hardened and tempered; lacquered to prevent rust. Hardwood handle, shaped to hand; steel ferrule 1 $\frac{1}{2}$ inches long. Spiral tang locks handle securely.

**No. 11—New York Pattern**

Length, inches...	9 $\frac{1}{2}$	10	10 $\frac{1}{2}$
Each	\$1.80	1.85	1.90

**No. 5—London Pattern**

Length, inches...	9 $\frac{1}{2}$	10	10 $\frac{1}{2}$
Each	\$1.55	1.60	1.65

POINTING TROWELS**Disston****Regular Pattern**

The bricklayers and stone masons favorite. Made with spiral tang for locking handle to trowel. Post at right angle to blade; handle set for proper lift and balance.

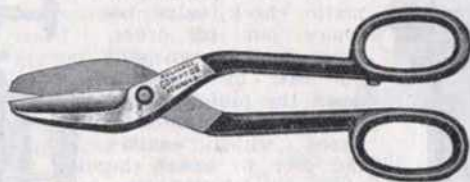
Blade, post and tang forged from one piece Disston steel; hardened, tempered, polished and lacquered to prevent rust. Hickory handle, 4 $\frac{1}{2}$ inches long; steel ferrule 1 inch long.

No. 15—Length, inches.....	4	5	6	7
Each	\$0.60	.65	.70	.80

Prices Subject to Market Changes

METAL OR TINNERS SNIPS

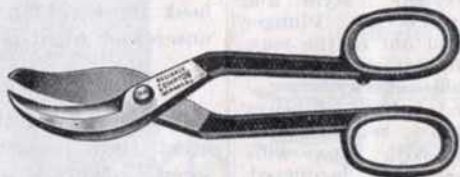
Compton "Reliance"



Straight Blade Regular, Right Hand

Drop forged steel; bar tool steel laid blades; blue finished handles.

Nos.	8	9	10	11	12
Full length, inches.....	13	12	11	9	8
Length of cut, inches.....	3½	3	2½	2¼	2
Each	\$2.00	1.75	1.60	1.20	1.00



Circular Blade, Right Hand

A convenient all around tool for cutting curved and irregular shapes.

Drop forged steel; bar tool steel laid blades; blue finish handles.

Nos.	8CB	10CB
Full length, inches.....	13	11
Length of cut, inches.....	3½	2½
Each	\$3.00	2.50

Note—The length of cut is the standard cutting edge of blade.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BLOW TORCHES

Bernz "Always Reliable"



Gasoline-Kerosene

Burner is a patented style which produces a perfect blue, hot flame in short time. All parts can be cleaned quickly and thoroughly. Nickel plated wire wheel does not get hot, and is indestructible. Seamless steel nipple, dip tube and wick. Soldering iron hook cast bronze, can be unscrewed when not required.

Pump "Neverleak" style and fitted into reservoir. Plunger screws down and out of the way. Needle point at bottom of plunger acts as a double check.

Reservoir and bottom of heavy drawn sheet brass, reinforced on inside at top with long wide brace; polished and lacquered. Bottom funnel-shaped, permits quick refilling.

Blunt burner needle, $\frac{1}{4}$ inch steel rod. No orifice to be enlarged. Double stuffing box nut prevents user from unscrewing needle completely. Gasoline burner block is screwed into burner, and kerosene burner block is screwed into filler plug. Reverse when using kerosene. Folding pocket with three cleaning needles in handle.

No. 79—Capacity 1 quart; net weight $4\frac{3}{4}$ pounds...Each \$7.20



Gasoline

Burner is closed, one-piece, under-flow type, produces a steady, blue, hot flame quickly. Needle made of $\frac{1}{4}$ inch steel rod. Handle is an iron casting, nickel plated, and is indestructible. Also fitted with a seamless steel nipple, dip tube, and wick. Soldering iron hook is cast bronze and can be unscrewed when not required.

Pump "Neverleak" style and fitted into reservoir. Plunger screws down and out of the way. Needle point at bottom of plunger acts as a double check.

Reservoir and bottom of heavy drawn sheet brass, reinforced on inside at top; polished and lacquered. Bottom funnel-shaped, permits quick refilling.

No. 87—Capacity 1 quart; net weight 4 pounds....Each \$4.75

Prices Subject to Market Changes

ALCOHOL TORCHES

Bernz "Always Reliable"

Self-Blowing



Heavy drawn brass reservoir, polished and lacquered. Top concave and answers as drip cup. Bottom cast brass and has legs. Brass filler plug. Burner brazed into reservoir and fitted with burner block. Two size nozzles furnished; one for needle point flame and one for larger flame. Burns in any angle. Safety cap fits snugly over burner. Vent screw relieves pressure. Handles fold around reservoir. Holder for nozzles.

No. 30—Capacity $\frac{1}{4}$ pint; net weight $\frac{3}{4}$ pound....Each \$2.50

SOLDERING OUTFITS



For the Household or Workshop

Contains 4 oz. can Tinol solder in paste form and self-acting blow torch, packed in neat box, with full directions inside. With this handy outfit any one can make a perfect soldered joint, without any previous experience, on all metals, except aluminum.

CompleteEach \$1.50

Prices Subject to Market Changes

ELECTRIC GLUE POTS

Delta



High grade electric glue pot. Has low, medium and high temperature switch. Heavy spun seamless inside copper pot. Will operate on either A.C. or D.C. current.

No. 215—For 110 volt current; complete with 6 foot asbestos cord and separable plug; shipping weight 4 pounds.

Each\$7.25

SOLDERING COPPERS

Adroit Electric



Double Duty

For radio, home and light factory use. Approved heater cord; two-piece attachment plug; interchangeable tips, that can be replaced when worn out; alloy heating element, that will not overheat and gives the desired results at all times.

Each\$2.50

Extra standard tips....Each .45

Special straight tips extra

.....Each .45

Special bent tips extra..Each .45

ELECTRIC SOLDERING IRONS

Vulcan

The "Vulcan" Tools are equipped with 6 foot flexible cords and separable attachment plugs and can be connected to any lighting socket. They will operate with identical results on either A.C. or D.C. and are wound for standard voltages, of 104, 110, 115, 120, 125, 220 and 230 volts. An extra charge of \$1.00 is made for special voltages. Each tip is accurately machined with a bevel which fits the corresponding bevel in the end of the heater, providing a valve seat joint of exceptional efficiency in the conduction of heat and also, by sealing the chamber into which the tip screws, protecting the surfaces thus enclosed from corrosion.

All Vulcan windings are hermetically sealed, giving protection against damage by flux fumes, oxidation and water. They deliver constant ample heat for perfect soldering throughout a long life.

Note—Always specify voltage when ordering.



No. 10



No. 30

The Nos. 10 and 30 are equipped with a ventilated, adjustable handle by which the tool can be lengthened or shortened at will.

- No. 10—44 watts; equal to old style copper, 1 lb. per pair; length, adjustable to 12 inches; net weight 10 oz.; diameter of tip $\frac{1}{8}$ inch; for radio and home use, also light factory soldering; complete.....Each \$3.75
Extra TipEach .30
- No. 30—60 watts; equal to old style copper, 1 lb. per pair; length, adjustable to 12 inches; net weight 10 oz.; diameter of tip $\frac{1}{8}$ inches; for radio and home use, also light factory soldering; complete.....Each \$6.25
Extra TipEach .40
- No. 600—44 watts; equal to old style copper, 1 lb. per pair; length 13 $\frac{1}{4}$ inches; net weight 14 oz.; diameter of tip $\frac{1}{8}$ inch; for finest instruments, smallest fuses, light telephone repairs, radio and all very light soldering; completeEach \$7.50
Extra TipEach .30
- No. 700—55 watts; equal to old style copper, 1 $\frac{1}{2}$ lbs. per pair; length 10 inches; net weight 14 oz.; diameter of tip $\frac{1}{2}$ inch; for radio and home use, fuses, instruments, inspectors' or linemen's tool kits, etc.; complete.....Each \$7.50
Extra TipEach .45
- No. 100—70 watts; equal to old style copper, 1 $\frac{1}{2}$ lbs. per pair; length 13 $\frac{1}{4}$ inches; net weight 16 oz.; diameter of top $\frac{1}{2}$ inch; for telephone switchboards, electrical instruments, light manufacturing, fuses and radio apparatus; completeEach \$8.00
Extra TipEach .50
- No. 500—120 watts; equal to old style copper, 2 lbs. per pair; length 11 $\frac{1}{4}$ inches; net weight 19 oz.; diameter of tip $\frac{1}{8}$ inch; for fast telephone work, art glass, light automobile repairs, light tinware and general home use; completeEach \$9.00
Extra TipEach .75
- No. 200—150 watts; equal to old style copper, 3 lbs. per pair; length 14 $\frac{1}{4}$ inches; net weight 24 oz.; diameter of tip $\frac{7}{8}$ inch; for about the same as No. 500, but 2 $\frac{3}{4}$ inches longer; complete.....Each \$10.50
Extra TipEach .80
- No. 300—250 watts; equal to old style copper, 4 $\frac{1}{2}$ lbs. per pair; length 14 $\frac{1}{4}$ inches; net weight 35 oz.; diameter of tip 1 $\frac{1}{2}$ inches; for medium tinware, general manufacturing, metal patterns, automobile work, etc.; completeEach \$13.00
Extra TipEach 1.25

Prices Subject to Market Changes

WIRE NIPPERS

Utica Bulldog

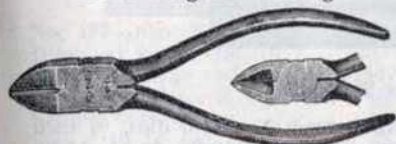


No. 60—End Cutting, Lap Joint

Used by carpenters, shoemakers, machinists, etc. Drop forged steel, tempered cutting edges: blue gun metal finish checkered handles, polished head.

Size, inches.	5	6	7	8
Each	\$0.85	.95	1.10	1.30

Utica Diagonal Cutting

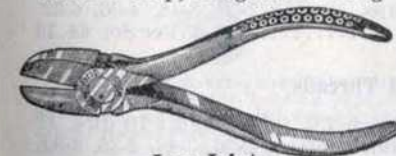


Lap Joint

Used by telephone men, switch-board builders and electricians in assembling electrical apparatus. Will cut silk covered wire without injuring the covering or bruising the wire. Blue gun metal finish handles, polished head.

No. 41—Size, in...	5	6
Each	\$1.15	1.40

Vacuum Grip, Diagonal Cutting



Lap Joint

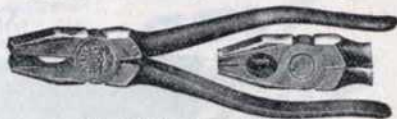
Forged from Swedish tool steel individually hardened and tempered. Hand filed cutting edges. Used by electricians, radio and telephone men. Full polished.

Nos.	85	86
Inches	5	6
Each	\$1.40	1.70

Prices Subject to Market Changes

PLIERS

Utica Flat Nose, Side Cutting



No. 1050—Lap Joint

A good tool for electrical construction work. Drop forged steel; smooth handles, black finish, polished head.

Size, inches.	5	6	7	8
Each	\$0.75	.85	.90	1.00

Utica Long Needle Nose, Side Cutting



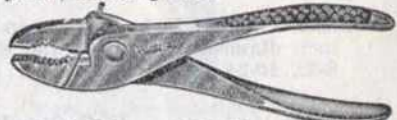
Lap Joint

Adapted for extra fine work, radio, etc. Forged from extra quality of steel; spring tempered nose and keen, strong cutting edges. Drop forged steel, blue gun metal finish checkered handles, polished head.

No. 655—Size, in...	5½	6
Each	\$1.20	1.30

Vacuum Grip

Forged steel; adjustable slide joint; nickel plated.



Thin Nose, with Wire Cutter

Nos.	65	66	67
Inches	5	6	7
Each	\$1.25	1.45	1.70

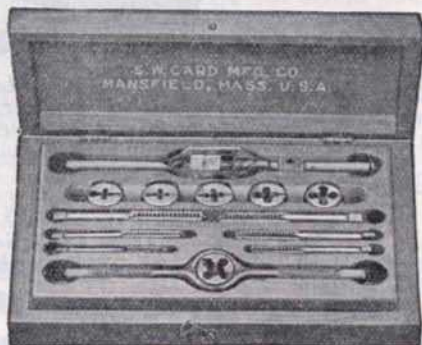


Beveled Nose

Nos.	246	247
Inches	6	7
Each	\$1.05	1.45

SCREW PLATES

Card



Machine Screw Threads

- No. A1—Stock 5 inches long; Card tap wrench No. 0; 6 dies, $\frac{5}{8}$ inch diameter, and 6 taps, cutting 4-36, 6-32, 8-32, 10-32, 12-24, 14-20.Per Set \$5.60

S. A. E. Standard Threads

- No. 52—Stock 7 inches long; tap wrench $7\frac{1}{2}$ inches long; 8 dies, $\frac{11}{16}$ inch diameter; 8 guides and 8 taps, cutting 4-36, 6-32, 8-32, 10-24, 12-24, 14-20, 16-18, 18-18.Per Set \$9.75

S. A. E. Standard Threads

- No. 52A—Stock 7 inches long; tap wrench $7\frac{1}{2}$ inches long; 8 dies, $\frac{11}{16}$ inch diameter; 8 guides and 8 taps, cutting 2-56, 3-48, 4-36, 6-32, 8-32, 10-24, 12-24, 14-20.Per Set \$9.75

U. S. Standard Threads

- No. 52B—Stock 7 inches long; tap wrench $7\frac{1}{2}$ inches long; 10 dies, $\frac{11}{16}$ inch diameter; 10 guides and 10 taps, cutting 2-56, 3-48, 4-36, 6-32, 8-32, 10-24, 12-24, 14-20, 16-18, 18-18.Per Set \$11.65

U. S. Standard Threads

- No. 70—Stock 14 inches long Horsfield patent tap wrench No. 7; 5 dies, $1\frac{1}{8}$ inches diameter; 5 guides and 5 taps, cutting $\frac{1}{4}$ -20, $\frac{3}{8}$ -18, $\frac{1}{2}$ -16, $\frac{5}{8}$ -14, $\frac{3}{4}$ -13.Per Set \$10.50

Prices Subject to Market Changes

SCREW EXTRACTORS

Ezy-Out

A tool expressly designed for the quick and easy removal of broken set and cap screws, studs, stay bolts, pipe

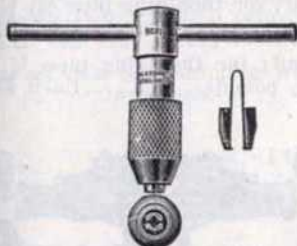
fittings, etc. Merely drill hole in broken screw, insert proper size Extractor—twisting it as though tapping with a left hand tap. The twist forces spirals to grip sides of drilled hole and then, as additional force is brought to bear on tap wrench, the screw begins to “come”—after which it is an easy matter to spin it out on its own threads just as if it had never broken off at all. The whole operation is accomplished without endangering the threads of the hole.



No. 192—Size No.	1	2	3	4	5	6
Diam. at small end, in....	.054	.080	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
Diam. at large end, in....	.117	.174	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Length of flute, in.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$
Length over all, in.....	2	2 $\frac{3}{8}$	2 $\frac{1}{2}$	3	3 $\frac{3}{8}$	3 $\frac{3}{4}$
Size drill to use, in.....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{8}$
Each	\$0.50	.50	.55	.65	.75	.85

TAP WRENCHES

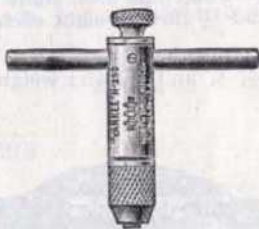
Starrett T Handle



Used by toolmakers, machinists and motor mechanics for holding taps to be turned by hand; also for holding drills, reamers and other small tools. Body centered, enabling use on lathe centers, or in upright drilling machine to start tap straight. Construction permits jaws to conform to piece to be held, making it rigid and less apt to become loose. Jaws and knurled clamping nuts heat-treated. No. 93C made with sliding handle.

Nos.	Capacity, In.	Each
93A	$\frac{1}{16}$ to $\frac{3}{16}$ square	\$0.85
93B	$\frac{3}{16}$ to $\frac{1}{4}$ square	1.05
93C	$\frac{1}{8}$ to $\frac{1}{2}$ square	1.90

Yankee Ratchet



Work in close quarters, corners and inaccessible places. The ratchet is same as used in other “Yankee” tools and is set for left hand, right hand, or rigid, by simply moving shifter. Cross bar held by friction lock, can be pulled out. Thumb nut at top can be used in starting tap. Countersunk hole in top for lathe or drill-press center.

Nos.	250	251
holds taps up to, in..	$\frac{3}{16}$	$\frac{1}{2}$
O. D. of chuck, in...	$\frac{3}{4}$	$\frac{7}{8}$
Length over all, in..	3 $\frac{1}{4}$	5
Each	\$1.65	2.20

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

PIPE STOCKS AND DIES**Genuine Armstrong Improved Adjustable****American Standard (Briggs) Right Hand Threads**

Sets consists of a stock complete with dies, guides and wrench, packed in a wood box.

Dies can be adjusted to variations in size of fittings. Double taper, the taper at entrance for first few threads is greater in degree than standard taper, which forms a lead to the dies, causing them to start on the pipe without filing, even when there is a swell or burr, and requiring no pressure to start dies on pipe. Dies are interchangeable in the stocks.



No. 1



No. 2

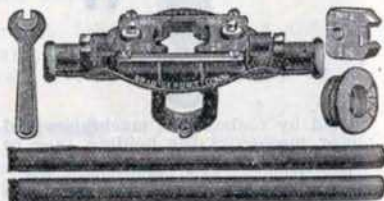
Two Arm Style

No. 1—Four pipe dies, right hand thread; for threading pipe $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch; weight each $4\frac{1}{2}$ pounds.....Each \$5.60

No. 2—Five pipe dies, right hand thread; for threading pipe $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch; weight each $12\frac{1}{2}$ pounds.....Each \$7.45

**Two Arm Style**

No. 2 1/2—Two pipe dies (double ended), right hand thread; for threading pipe $\frac{1}{2}$ and $\frac{3}{4}$, 1 and $1\frac{1}{4}$ inch; weight $14\frac{1}{4}$ pounds.....Each \$8.70

**Two Arm Style**

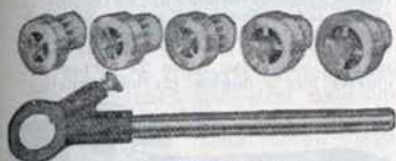
No. 3—Three pipe dies, right hand thread; for threading pipe $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch; weight 31 poundsEach \$11.00

Note—These pipe stocks will also take Armstrong bolt and tubing dies.

Prices Subject to Market Changes

TOLEDO PIPE THREADING DEVICES

American Standard (Briggs) Right Hand Threads



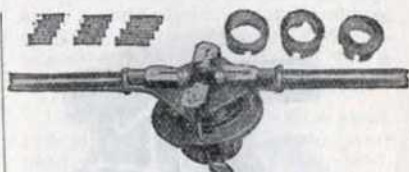
No. 00—Ratchet

Capacity $\frac{1}{8}$ to $\frac{3}{4}$ inch pipe.

Consists of ratchet handle for holding a series of die heads, which heads also include a ratchet gear forming the bushing for the given size of pipe. To change from one size to the other simply involves pulling on the pawl button, allowing one head to drop out and another to be replaced. Die segments removable for regrinding or replacement.

No. 00—Complete, including die heads for threading $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch pipe; length 14 inches; net weight 9 pounds.
Per Set\$12.35

One set in a box; shipping weight 10 pounds.



No. 1—Adjustable, Plain

Capacity 1 to 2 inch pipe.

The peak of perfection in pipe threading tools. It threads 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch pipe and does its work so easily that a boy can operate it. Has a minimum of working parts, is exceedingly strong and durable and will stand years of service.

No. 1—Complete, for threading 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch pipe; net weight 19 pounds....Set \$ 9.60

No. 1A—With ratchet..Set 12.00

Note—Also made reversed in all its parts for cutting left hand threads, but neither tool will do both.

One set in a box; shipping weight 23 pounds.

PIPE CUTTERS

Genuine Armstrong



Three Wheel Type

For work where cutters cannot be revolved about the pipe.

Nos.	1B	2B
Cuts pipe, inches..	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to 2
Weight each, lbs..	3	5
Each	\$2.70	3.60
Extra Wheels.....	.25	.30

Genuine Saunders



Roller Type, Snigle Cutter Wheel

Suited only to work where it can be revolved entirely around pipe.

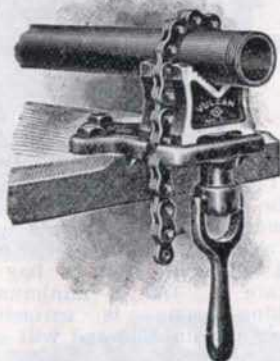
Nos.	1S	2S
Cuts pipe, inches..	$\frac{1}{8}$ to 1	1 to 2
Weight each, lbs..	3	6
Each	\$3.15	4.75
Extra Wheels.....	.27	.36

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

CHAIN PIPE VISES

Williams "Vulcan"



For Holding Pipe, Bolts, Bars,
Shafts, Etc.

Unbreakable, compact, rapid in action and positive in gripping pipe. All sizes can be fastened to bench or post; Nos. 1 and 2 adapted for carrying by hand or in tool bag. Adjustment made by engaging rivets of chain with a series of stepped bosses on base, when vise may be locked by turn of handle. Wrought steel; drop forged jaws of saw tempered steel for file sharpening; proof-tested at link chain.

No.	1
For pipe, inches.....	1/8-2
Folded for packing, in...	4x5x6
Weight each, lbs.....	4
Each	\$3.85

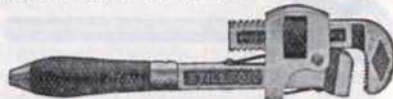
No.	2
For pipe, inches.....	1/4-4
Folded for packing, in...	6x8x8
Weight each, lbs.....	10
Each	\$8.25

One in a box.

PIPE WRENCHES

Genuine Walworth Stillson

Drop forged from bar steel, scientifically heat treated; all parts interchangeable; does not crush or lock upon the pipe, but releases its hold instantly. Each size has a single front spring; each size 10 to 24 inches inclusive has a double (2) back spring.



Wood Handle

Lgth. open, in..	6	8	10
Takes pipe, in.	1/8-1/2	1/8-3/4	1/8-1
Wt. each, lbs..	1/2	3/4	1 1/2
Each	\$0.65	.75	.95



Steel Handle

Length Open, In.	Takes Pipe, In.	Weight Each, Lbs.	Each
14	1/4-1 1/2	3	\$1.30
18	1/4-2	5	1.85
24	1/4-2 1/2	8 1/2	2.85
36	1/4-3 1/2	15	5.00
48	1-5	24	8.35

CHAIN PIPE WRENCHES

Vulcan



Flat Link Chain

Double-end reversible jaws for turning or holding pipe, pipe fittings, etc.

No.	For Pipe, In.	Length, In.	Weight, Lbs.	Each
31	1/8-1 1/2	20	5 3/4	\$ 3.50
32	1/4-2 1/2	27	10	5.00
33	3/4-4	37	16	7.00
33 1/2	1-6	44 1/2	24	9.00
34	1 1/2-8	50 1/2	31	11.00
35	2-12	64 1/2	50	18.00

Prices Subject to Market Changes

WRENCHES

Coes Genuine Knife Handle



One-piece forged steel head and bar; hardened semi-steel slide bar and handle frame; oil finished; machine cut steel screw with knurled head; hardwood handle; sides secured at both ends by insertion under metal and riveted under pressure.

Length, in..	6	8	10	12
Opens, in....	$\frac{1}{8}$	$1\frac{1}{8}$	$1\frac{5}{8}$	$2\frac{1}{2}$
Wt., lbs....	$\frac{3}{4}$	$1\frac{1}{4}$	$2\frac{1}{4}$	$3\frac{3}{4}$
Each	\$0.85	1.00	1.20	1.55

Length, inches....	15	18	21
Opens, inches....	$2\frac{1}{2}$	$3\frac{1}{8}$	4
Weight, lbs.....	$4\frac{1}{2}$	$6\frac{3}{4}$	$9\frac{1}{8}$
Each	\$2.10	2.65	3.20

B. & S. Automotive



Model "G" Adjustable

Drop forged steel; rapid adjustment; bars of "I" beam section; "Duro" black rust-proof finish.

Nos.	1	2
Length, inches....	$5\frac{1}{4}$	$7\frac{1}{2}$
Opens, inches....	$1\frac{1}{8}$	2
Thickness jaw, in..	$\frac{1}{4}$	$\frac{5}{8}$
Depth jaw, inches..	$\frac{1}{8}$	$1\frac{1}{8}$
Weight each.....	5 oz.	10 oz.
Each	\$0.50	.60

Nos.	4	5
Length, inches....	11	15
Opens, inches....	3	$3\frac{3}{8}$
Thickness jaw, in..	$\frac{7}{8}$	$\frac{1}{2}$
Depth Jaw, inches..	$1\frac{1}{2}$	$1\frac{3}{4}$
Weight each.....	$1\frac{1}{2}$ lb.	$3\frac{1}{2}$ lb.
Each	\$1.10	1.95

Crescent Adjustable

A tool for general use in garages, repair shops, machine shops, on the farm, in the home and anywhere else there is a need for a dependable, adjustable wrench.

Handle drop forged carbon steel. Special alloy steel movable jaw; hardened and oil tempered. Polished all over except web in handle, which is black oil finish.



Single End

Nos.	A14	A16
Length, inches....	4	6
Opens, inches....	$\frac{1}{2}$	$\frac{3}{4}$
Weight, oz.....	2	5
Each	\$0.75	.75

Nos.	A18	A110
Length, inches....	8	10
Opens, inches....	$\frac{1}{2}$	$1\frac{1}{8}$
Weight, oz.....	10	18
Each	\$0.95	1.20

One in a box.



Double End

Nos.	B168	B1810
Size, inches....	6-8	8-10
Opens, inches....	$\frac{3}{4}$ - $1\frac{1}{8}$	$1\frac{1}{8}$ - $1\frac{1}{2}$
Weight, oz.....	11	19
Each	\$1.50	1.75

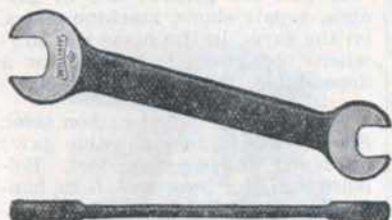
One in a box.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DOUBLE HEAD ENGINEERS WRENCHES

Williams



Carbon Steel, 15 Degree Angle

Drop forged steel. Finished wrench (new). Openings milled, surface and edges smoothed, sizes stamped on heads. Case hardened and black enameled (baked on), heads bright.

All openings are milled slightly larger than stated in table to allow for clearance and variation.

No.	For U. S. Std. Nuts; Size Bolts	For Hex. Head Cap Screws; Diam. Screws	For S.A.E. Std. Nut and Cap Screws; Size Bolts	Open- ings Milled	Ex- treme Length Approx.	Thick- ness Heads	Fin- ished (New) Each
21	$\frac{1}{8}$ & $\frac{3}{16}$	$\frac{1}{8}$	.....	$\frac{5}{16}$ & $\frac{11}{16}$	4	$\frac{1}{4}$	\$0.17
22	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{8}$ & $\frac{1}{8}$	$\frac{5}{16}$	$\frac{5}{16}$ & $\frac{1}{2}$	$4\frac{1}{4}$	$\frac{5}{16}$	.20
23	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{11}{16}$ & $\frac{1}{2}$	$4\frac{5}{8}$	$\frac{5}{16}$	.20
24	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{8}$	.....	$\frac{11}{16}$ & $\frac{1}{2}$	5	$\frac{5}{16}$	.24
25	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{1}{2}$ & $\frac{11}{16}$	$5\frac{1}{2}$	$\frac{11}{16}$	.24
26	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{1}{2}$ & $\frac{1}{2}$	6	$\frac{11}{16}$	.30
27C	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{8}$ & $\frac{1}{2}$	$6\frac{1}{2}$	$\frac{3}{8}$	.30
27	$\frac{5}{16}$ & $\frac{3}{8}$	.....	.....	$\frac{11}{16}$ & $\frac{1}{2}$	$6\frac{1}{2}$	$\frac{3}{8}$	.30
28	$\frac{5}{16}$ & $\frac{1}{2}$	.....	.....	$\frac{11}{16}$ & $\frac{3}{4}$	7	$\frac{3}{8}$	.36
28S	$\frac{5}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	7	$\frac{3}{8}$	.36
29	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	$\frac{11}{16}$ & $\frac{3}{4}$	$7\frac{1}{2}$	$\frac{11}{16}$	.36
30	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{2}$ & $\frac{3}{4}$	8	$\frac{1}{2}$	.44
31	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{11}{16}$ & $\frac{3}{4}$	$8\frac{3}{4}$	$\frac{11}{16}$	.44
32	$\frac{7}{16}$ & $\frac{1}{2}$	.....	.....	$\frac{11}{16}$ & $\frac{3}{4}$	$9\frac{1}{2}$	$\frac{1}{2}$	.53
33	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{7}{8}$ & $\frac{1}{2}$	$9\frac{1}{2}$	$\frac{1}{2}$	.53
34	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$	$\frac{7}{8}$ & $\frac{3}{4}$	$\frac{7}{8}$ & $\frac{1}{2}$	$10\frac{3}{4}$	$\frac{1}{2}$	.65
35	$\frac{1}{2}$ & $\frac{5}{8}$	.....	$\frac{3}{4}$	$\frac{11}{16}$ & $\frac{1}{2}$	$10\frac{3}{4}$	$\frac{1}{2}$	.65
36	$\frac{1}{2}$ & $\frac{3}{4}$	1	$\frac{7}{8}$	$\frac{11}{16}$ & $\frac{1}{2}$	12	$\frac{11}{16}$	.92
37	$\frac{5}{8}$ & $\frac{3}{4}$	1	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$ & $\frac{1}{2}$	12	$\frac{11}{16}$	.92
38	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & 1	$\frac{1}{2}$ & $\frac{1}{2}$	$13\frac{1}{2}$	$\frac{11}{16}$	1.35
39	$\frac{3}{4}$ & $\frac{7}{8}$	1	$\frac{7}{8}$ & 1	$\frac{1}{2}$ & $\frac{1}{2}$	$13\frac{1}{2}$	$\frac{11}{16}$	1.35
40	$\frac{3}{4}$ & 1	1 & $1\frac{1}{8}$	$\frac{7}{8}$ & $1\frac{1}{8}$	$1\frac{1}{4}$ & $1\frac{1}{8}$	$15\frac{1}{2}$	$\frac{3}{4}$	1.85
41	$\frac{7}{8}$ & 1	1	1 & $1\frac{1}{8}$	$\frac{1}{2}$ & $1\frac{1}{8}$	$15\frac{1}{2}$	$\frac{3}{4}$	1.85
42	$\frac{7}{8}$ & $1\frac{1}{8}$	.....	1 & $1\frac{1}{4}$	$\frac{1}{2}$ & $1\frac{1}{8}$	17	$\frac{11}{16}$	2.50
43	1 & $1\frac{1}{8}$	1	$1\frac{1}{8}$ & $1\frac{1}{4}$	$1\frac{1}{8}$ & $1\frac{1}{8}$	17	$\frac{11}{16}$	2.50
44	1 & $1\frac{1}{4}$	1	$1\frac{1}{8}$ & 1	1 & 2	19	$\frac{11}{16}$	3.50

Prices Subject to Market Changes

AUTOMOTIVE WRENCH SETS

Williams

Drop Forged, Carbon Steel

With openings for popular S.A.E. and U. S. Standard nuts and cap screws.

Finished (New) are milled surface smoothed, sizes stamped on heads, case hardened and black enameled (baked on), heads bright.



No. 5S



No. 10

Standard Automotive Set No. 5S

No.	For U. S. Std. Nuts; Size Bolts	For Hex. Head Cap Screws; Diam. Screws	For S.A.E. Std. Nut and Cap Screws; Std. Nuts	Openings Milled	Ex-treme Length	Thick-ness Heads	Fin-ished (New) Each
725	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{7}{16}$ & $\frac{1}{2}$	5	$\frac{5}{16}$	\$0.50
727	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{7}{16}$ & $\frac{5}{8}$	6	$\frac{3}{16}$	.62
731A	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	8 $\frac{3}{4}$	$\frac{1}{2}$	.90
33C	.....	$\frac{3}{4}$	$\frac{5}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$ & 1	9 $\frac{1}{2}$	$\frac{1}{2}$	1.10
37	$\frac{5}{8}$ & $\frac{3}{4}$	1	$\frac{3}{4}$ & $\frac{7}{8}$	1 $\frac{1}{8}$ & 1 $\frac{1}{4}$	12	$\frac{3}{4}$	1.92

No. 5S—Set of five wrenches with roll.....Per Set \$2.85

Extra Capacity Garage Set, "Big Ten," No. 10

No.	For U. S. Std. Nuts; Size Bolts	For Hex. Head Cap Screws; Diam. Screws	For S.A.E. Std. Nut and Cap Screws; Size Bolts	Openings Milled	Ex-treme Length	Thick-ness Heads	Each Fin-ished (New)
721	$\frac{1}{8}$	$\frac{1}{8}$ & $\frac{3}{16}$	.....	$\frac{1}{8}$ & $\frac{3}{8}$	4	$\frac{1}{4}$	\$0.34
23	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$ & $\frac{1}{2}$	4 $\frac{5}{8}$	$\frac{5}{16}$	.42
725A	.....	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{8}$ & $\frac{1}{2}$	5	$\frac{1}{8}$	.50
27	$\frac{1}{8}$ & $\frac{3}{8}$	.....	.....	$\frac{1}{8}$ & $\frac{1}{2}$	6 $\frac{1}{2}$	$\frac{3}{8}$	.62
729	.....	$\frac{1}{8}$ & $\frac{1}{2}$	$\frac{1}{8}$ & $\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	7	$\frac{3}{8}$	.74
731B	$\frac{1}{2}$	$\frac{1}{8}$ & $\frac{5}{8}$	$\frac{1}{8}$	$\frac{1}{2}$ & $\frac{7}{8}$	8 $\frac{3}{4}$	$\frac{1}{2}$	.90
32	$\frac{7}{16}$ & $\frac{1}{2}$	.....	.....	$\frac{1}{2}$ & $\frac{3}{4}$	9 $\frac{1}{2}$	$\frac{1}{2}$	1.10
33C	.....	$\frac{3}{4}$	$\frac{5}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$ & 1	9 $\frac{1}{2}$	$\frac{1}{2}$	1.10
737	$\frac{3}{4}$	$\frac{7}{8}$ & 1	$\frac{7}{8}$	1 $\frac{1}{8}$ & 1 $\frac{1}{4}$	12	$\frac{3}{4}$	1.92
38	$\frac{5}{8}$ & $\frac{7}{8}$	.....	$\frac{3}{4}$ & 1	1 $\frac{1}{8}$ & 1 $\frac{1}{4}$	13 $\frac{1}{2}$	$\frac{3}{4}$	2.80

No. 10—Set of ten wrenches with roll.....Per Set \$5.80

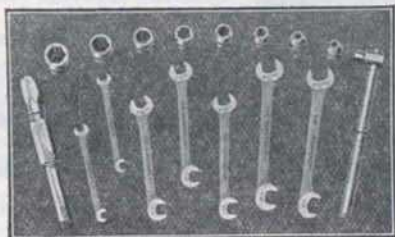
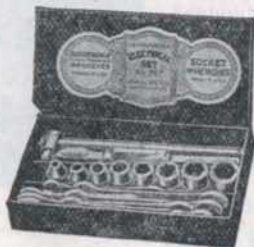
Note—All openings are milled slightly larger than stated in tables to allow for clearance and variations.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COMBINATION WRENCH SETS

Williams



Consists of Midget "Superrenches" (Chrome-Molybdenum), Combination Tee, Handy Grip and Hexagon Sockets

A combination of Williams' Midget "Superrenches" and Socket wrenches providing a handful of helpfulness on electrical jobs; unequalled in cramped quarters and for delicate adjustments. The only assortment of Open-end and Socket wrenches in Midget size for such service. Electricians, mechanics, motorists and radio-fans need this convenient set.

Midget "Superrenches" are extremely light and thin, yet amazingly strong. Each wrench has two openings of the same size—but at different angles (15° and 75°). Where one head can't operate, the other will. Forged from Chrome-Molybdenum steel, the strongest and toughest material for the purpose ever made. Furnished heat-treated and Chrome-Finished, with heads buffed bright.

Sockets tapered for work in close corners. Made from high grade steel, scientifically heat-treated to insure a uniform product. Full bright nickel finish. The Handy Grip has swivel for real speed; it can also be used as an extension.

Contents of Set

No.	Openings Milled	Extreme Length	Thick- ness Heads
1114	$\frac{3}{32}$ & $\frac{7}{32}$	3	$\frac{3}{16}$
1116	$\frac{1}{4}$ & $\frac{3}{8}$		
1120	$\frac{1}{2}$ & $\frac{5}{8}$		
1122	$\frac{3}{16}$ & $\frac{1}{2}$	$3\frac{3}{4}$	$\frac{1}{8}$
1124	$\frac{5}{16}$ & $\frac{3}{4}$		
1128	$\frac{1}{2}$ & $\frac{7}{8}$	$4\frac{1}{2}$	$\frac{5}{16}$
1132	$\frac{1}{2}$ & $\frac{1}{2}$		

No. L-2 Combination Tee, 5 in. long

No. L-147 Handy Grip, $4\frac{1}{2}$ in. long
8 Hexagon Sockets, $\frac{3}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $1\frac{1}{2}$ in.

No. 287—Combination wrench set; conveniently packed in a compact, strong metal box with hinged cover and finished in black lacquer; size $5\frac{1}{4} \times 2\frac{3}{4} \times 1$ inch high; total weight $1\frac{1}{2}$ pounds....Per Set \$6.25

Prices Subject to Market Changes

AUTOMOTIVE OBSTRUCTION WRENCH SET

Williams "Superrench" (Chrome-Molybdenum)



Set consists of five "Superrenches" with ten different openings from $\frac{3}{8}$ to $\frac{7}{8}$ inch—no duplication of openings. It will fit all S.A.E. Standard nuts and cap screws $\frac{1}{4}$ to $\frac{7}{8}$ inch, all U. S. Standard nuts $\frac{1}{4}$ to $\frac{1}{2}$ inch and hex cap screws $\frac{1}{8}$ to $\frac{5}{8}$ inch.

Ordinary wrenches can't reach or turn many awkwardly placed nuts unless interfering parts are first removed. But Williams' new Obstruction "Superrench" will. Its narrow, pointed jaws, and thin heads with 75° angle of openings are specially designed for just such jobs. Where you're short one clearance, it's long on service.

Furnished heat-treated and chrome-finished, with heads buffed bright. Every wrench guaranteed against breakage.

No.	For U. S. Std. Nuts; Size Bolts	For Hex. Head Cap Screws; Diam. Screws	For S.A.E. Std. Nuts and Cap Screws; Size Bolts	Openings Milled	Ex-treme Length, Approx.	Thick-ness Heads	Each Chrome-Fin-ished,
2723	.....	$\frac{5}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$ & $\frac{7}{16}$	4 $\frac{1}{4}$	$\frac{11}{16}$	\$0.38
2025	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{7}{16}$	$\frac{5}{16}$	$\frac{1}{2}$ & $\frac{11}{16}$	5 $\frac{1}{2}$	$\frac{13}{16}$	.55
2027C	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{9}{16}$ & $\frac{11}{16}$	6 $\frac{1}{2}$	$\frac{7}{8}$	.67
2028S	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{5}{8}$ & $\frac{11}{16}$	7 $\frac{3}{4}$	$\frac{15}{16}$	.83
2731A	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	9 $\frac{1}{4}$	$\frac{3}{4}$	1.12

No. 2040—Set of five wrenches with leatherette roll.....Per Set \$4.20

HEXAGON WRENCH SPINTITES

The Socket Wrench for Little Nuts

Works Like a Screw Driver



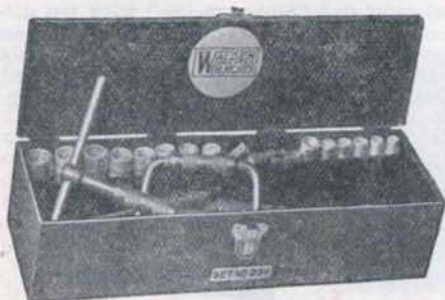
Little nuts! Millions of them to be tightened everywhere. In the home, in the radio shop, the electrical shop, in the industrial plant, on the automobile. Every work bench, every tool kit, needs Spintites. Used by the big radio and car manufacturers for years.

There's a feel to Spintite "nut drivers" no tool user can resist. Built like a screw driver with a thin-walled hexagon socket on the end. Hollow shank so the socket will reach down over the bolt and grip the nut.

Nos.	3406	3408	3410	3411	3412	3414	3416
Hex. size, inches...	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{11}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
Each	\$0.35	.35	.35	.35	.35	.60	.60

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

INTERCHANGEABLE SOCKET WRENCH SETS**Walden-Worcester****With Hex Sockets**

For all around garage use. Many mechanics prefer it on account of its wide range of the most needed socket sizes and handy assortment of handles and special parts. It's a genuine mechanics' tool kit. Box has plenty of extra space.

No. 26R—Consists of pieces as described below; in nickel trimmed and lacquered steel box, 20½x6¼x5 inches.....Per Set \$18.60

Contents of No. 26R Set—25 Pieces

Thirteen Chrome Alloy Hex. Sockets, ⅞ to 1 inch

No. 0R916—Ratchet Handle, 10½ inch.

No. 1106—Tee Handle, 6 inch

No. 1127—Tee Handle, 12 inch

No. 1115—Speed Brace, 15 inch

No. 1119—Speed Brace, 20 inch

No. 1142—Offset Handle, 10½ in.

No. 1139—Extension Bar, for Ratchet Wrench, 9 inch

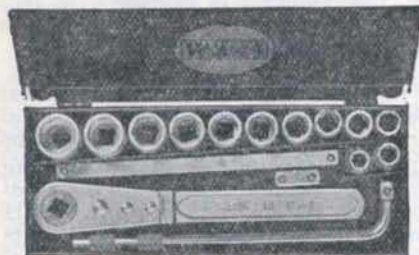
No. 1109—Plug Connector, for Ratchet Wrench

No. 1110—Connector

No. 1126—Stud Wrench

No. 1102—Universal Socket

No. 1129—Screw Driver

**With Hex Sockets**

For work that requires a wide range of sockets with few accessory parts and handles.

Adapted to busy garages that need extra sockets.

No. 16R—Consists of pieces as described below; in steel box....Per Set \$7.75

Contents of No. 16R Set—16 Pieces

Twelve Chrome Nickel Hex. Sockets, ⅞, 1½, 1¾, 1⅝, 1⅞, 1⅞, 1⅞, 1⅞, 1⅞, 1⅞, 1⅞, 1⅞

No. 0R916—Ratchet Handle, 10½ inch

No. 1125—Offset Handle, 10½ inch

No. 1109—Plug Connector for Ratchet Wrench

No. 1139—Extension Bar for Ratchet Wrench, 9 inch

Prices Subject to Market Changes

• INTERCHANGEABLE SOCKET WRENCH SETS

Mossberg, Pressel Steel

**No. 10—Socket Wrench Set**

No. 10—Consists of pieces as described below; in enameled steel box, frostine finish, size $2\frac{1}{8} \times 5\frac{1}{2} \times 10\frac{1}{8}$ inches; shipping weight 8 pounds..Per Set \$6.65

Packed in corrugated carton.

Contents of No. 10 Set

- No. 350—Reversible Ratchet Wrench
 No. 351—Extension Bar, $9\frac{1}{2}$ in. long
 No. 336—Universal Joint
 No. 101—Offset Screw Driver
 21 Sockets of guaranteed quality:
 hex.: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, 1 , $1\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$ and $1\frac{3}{4}$ inch
 Two Special Hexagon Spark Plug Sockets:
 No. 402, 4 inches long, $\frac{3}{8}$ inch opening
 No. 422—4 inches long, $1\frac{1}{8}$ inch opening.
 Fitting standard spark plugs.

**No. 13—Socket Wrench Set**

No. 13—Consists of pieces as described below; in enameled steel box, frostine finish, size $2\frac{1}{8} \times 4\frac{1}{4} \times 10\frac{1}{8}$ inches; shipping weight $5\frac{1}{4}$ pounds.

Per Set\$4.70

Packed in corrugated carton.

Contents of No. 13 Set

- No. 355—Ratchet Handle, 8 in. long
 No. 351—Extension Bar, $9\frac{3}{8}$ in. long
 15 Sockets of steel; hex. openings,
 $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, 1 , $1\frac{1}{8}$ and $1\frac{1}{4}$ inches.
 One $\frac{3}{8}$ inch Hexagon Spark Plug Socket, No. 402, 4 inches long

Socket Construction

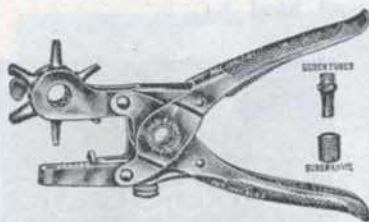
Drawn by pressure from cold rolled steel, thereby retaining the necessary long grain in structure. Mottled and lacquered finish.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

REVOLVING SPRING PUNCHES

Bernard



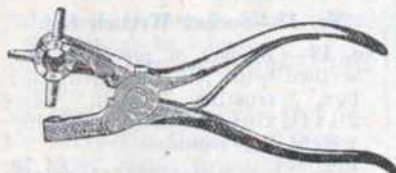
Adjustable Gauge

Gauge makes it possible to punch holes at uniform distances from edge of leather. Parallel action jaws give punch tubes a straight downward thrust from start to finish of operation. Revolving head turns between two steel arms which hold it firmly in position so tubes always hit on center.

Warranted crucible steel; automatic spring action; open throat; parallel jaws; full nickel plated.

No. 186—Length 8 inches; equipped with Nos. 1 to 6 screw tubes, cutting holes $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{7}{16}$ inch.....Each \$3.85

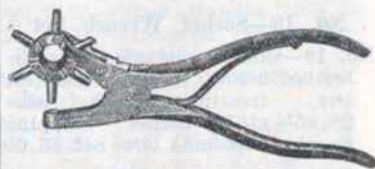
H. S. & Co.



Four Tubes

Drop forged steel, polished; flat steel spring; bar steel rollers; fitted joints; hardened and tempered screw tubes.

No. 155-4—Length 8 inches; 4 tubes, assorted sizes.....
.....Each \$1.50



Six Tubes

Drop forged steel, polished; flat steel spring; bar steel rollers; fitted joints; hardened and tempered screw tubes.

No. 155-6—Length 8 inches; 6 tubes, assorted sizes.....
.....Each \$1.75

ROUND PUNCHES

H. S. & Co.



No. 10—Carbon Finish

Extra fine quality. For leather, cardboard, paper, etc.

Nos.	2	4	6	7	8	10	12	13	14	15	16
Size, inches.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{2}$
Each	\$0.35	.35	.35	.40	.40	.40	.40	.45	.45	.50	.50

Prices Subject to Market Changes

CENTER PUNCHES

Starrett Automatic



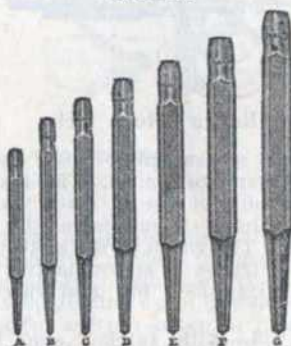
Adjustable Stroke

Contains a mechanism which automatically strikes a blow of any required force when the punch is in the exact position desired by the operator. It is provided with a knurled adjustable screw cap, which, working in connection with a spring, regulates the stroke. For work requiring a heavy mark, turn cap down; for work requiring a light mark, turn it up. To use it, no hammer is needed. The punch being placed in an upright position over the working line, a downward pressure releases the striking block and makes the impression without danger of slipping, as is liable when a hammer is used. When adjusted for either light or heavy stroke, all indentations are of a uniform size for the starting of the drill, etc., and more accurate and quicker work may be done as required on delicate work in tool making. The working parts are hardened, durable and accessible for such repairs as may be ever needed. The adjustable cap fits the hand, with no stroke adjusting screw through and above it to bother. The point can be removed for regrinding and easily replaced.

Nos.	18AA	18A	18B
*Length, in....	3 $\frac{1}{4}$	5	6
Diameter, in....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Wt. each, oz....	1	3	4
Each	\$1.55	2.00	2.55

*When adjusted for medium stroke.

Starrett



Square Body

With knurled grip, will not roll when laid down. Made in seven sizes ranging in length from 2 $\frac{7}{8}$ to 5 inches. Each punch is tempered its full length. The A, B and C sizes are specially adapted to light tool maker's work.

Nos.	Diam. at Point, Inch	Each
264A	$\frac{1}{8}$	\$0.22
264B	$\frac{3}{16}$	.22
264C	$\frac{1}{4}$	.22
264D	$\frac{5}{16}$	.22
264E	$\frac{3}{8}$	.30
264F	$\frac{1}{2}$	.30
264G	$\frac{3}{4}$	.35

H. S. & Co.



Square Head

Will not roll. Round knurled body, blued finish. Made of tool steel, extra fine quality.

No. 20—Diam., in....	$\frac{5}{8}$	$\frac{3}{4}$
Length, inches.....	4	4
Each	\$0.18	.18

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

MICROMETER CALIPERS

Starrett



Range 0 to 1 inch

For measurement by thousandths up to 1 inch. The frame is cut out for use in place where the ordinary frame cannot be inserted. The width of the anvil end of the frame is approximately $\frac{11}{16}$ inch. Has lock nut and ratchet stop.

No. 230—With ratchet stop but without case.....Each \$8.50

Starrett Micrometer Features

The lock nut, which by a slight turn locks spindle firmly the ratchet, permitting same degree of pressure at points of contact in measuring; the decimal equivalents of 8ths, 16ths, 32ds and 64ths, on frame, or on thimble; the quick adjusting micrometer, reducing time in reading from 1 inch to 0 or forty complete turns of screw to an instant; the concave cut in frame back of anvil for insertion where the ordinary style will not go.

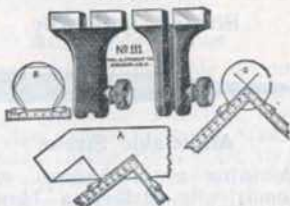
Ratchet Stop

In using this device, the ratchet slips by the pawl when more than a certain amount of pressure is applied, and so prevents the spindle from turning further and perhaps springing the instrument.

It is valuable where a number of measurements have to be taken quickly, and especially where measurements are taken by more than one person with the same caliper, as by its use the same amount of pressure is applied in each case to the objects measured.

STAIR GAUGE FIXTURES

Starrett



These fixtures can be readily clamped to a carpenter's steel square to form a gauge for various uses, as in stairs, valley cuts, hip and rafter work.

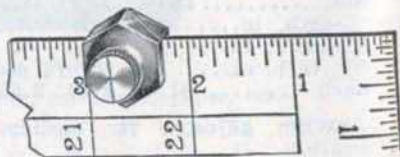
Sketch A shows the gauge as applied for laying out a stair stringer; sketch B, laying off hexagon angles; sketch C, as used as a center gauge or in quartering a circle.

No. 111—Fixtures are light, neat and efficient.....Per Pair \$0.80



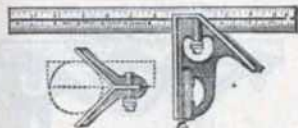
A small set of $\frac{3}{4}$ inch hexagonal fixtures for the carpenters' steel square. Can be quickly clamped in place on the blade, to lay out angles for stair stringers, sawing, etc.

No. 470—White nickel finish; brass set screws; natural finishPer Pair \$0.45

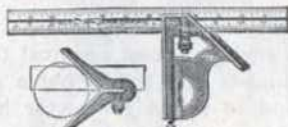


Prices Subject to Market Changes

COMBINATION SQUARES Starrett



No. 11



No. 33

Hardened Blade, No. 4 Graduations

No. 4 graduations, 8ths, 16ths, 32ds and 64ths, with heavy figures reading both ways.

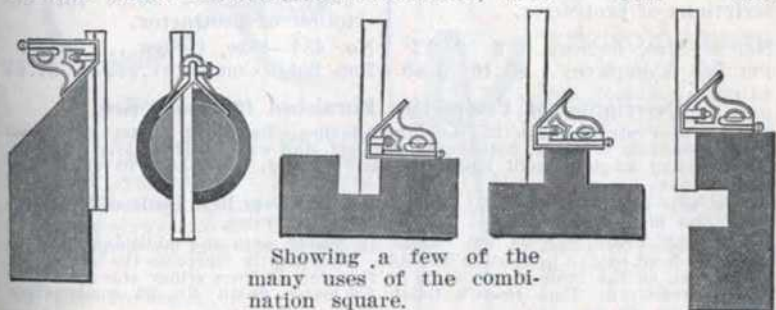
Every tool warranted accurate. With the adjustable blade this forms one of the most convenient and useful tools ever devised for machinists' use. It is a complete substitute for a whole set of common try squares, and is one of the best gauges made for transferring exact measurements or laying out work. It is also convenient for a depth gauge, or to square in a mortise. For a mitre it is perfect, while with the auxiliary center head it forms a centering square, both inside and outside, which for convenience and accuracy has no equal. The 6, 9, 12 and 18 inch stocks are fitted with levels as shown in the above cut. The 4 inch stock has no level. The 18 inch has the same stock and center head as the 12 inch. Sent complete with center head unless otherwise ordered.

No. 11—Size, inches.....	4	6	9	12	18
With Center Head.....Each, \$....	2.00	2.55	3.10	3.85	
Without Center Head....Each,	1.30	1.55	2.00	2.55	3.30

Drop Forged Steel

With hardened heads and hardened blades. Both stock and center head are hardened as well as the blade. No. 4 graduations, 8ths, 16ths, 32ds and 64ths, with heavy figures reading both ways. Sent complete with center head unless otherwise ordered.

No. 33—Size, inches	6	9	12
With Center Head.....Each, \$3.30	3.85	4.10	
Without Center Head.....Each,	2.55	3.10	3.30



Showing a few of the many uses of the combination square.

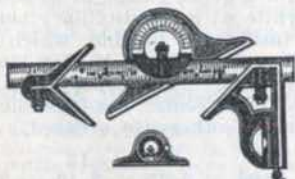
Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COMBINATION SQUARE SETS

Starrett

The combination square met with such universal approval from machinists that it was but a step to add to it the protractor head and have a combination set, made up of the rule on which slide the square, center and protractor heads. This makes possible more varieties of uses in laying out and testing work than are possible with any other instrument used by mechanics.



With Hardened Blade

Consists of No. 11 combination square with center head and No. 12, 7 inch bevel protractor all on the No. 11 square blade; protractor head extends on one side of blade only. No. 4 graduations 8ths, 16ths, 32ds and 64ths.

Note—See foot notes for descriptions of protractor.

No. 9—Size, inches.. 9 12
Per Set (Complete).. \$5.10 5.60

Description of Protractors Furnished in Above Sets

Set No. 9—Protractor No. 12. Length 7 inches. Revolving turret graduated in degrees from 0 to 180, both right and left, and can be accurately adjusted to show any angle. Small level attached to head, adjustable to show any degree.

Set No. 433—Protractor No. 492. Same as No. 12, except head made with smooth finish and match finish of No. 33 combination squares.

Set No. 434—Protractor No. 490. Same as No. 12 with the additional feature of having head extend both sides of blade. This greatly increases the usefulness of the tool, as the same angles may be transferred from either side of frame without resetting. Fine smooth finish to match finish No. 33 combination squares.

Prices Subject to Market Changes



With Hardened Blade

Set consists of No. 33 Combination square with hardened drop forged stock and center head and No. 492, 7 inch Protractor head. No. 4 graduations, 8ths, 16ths, 32ds and 64ths.

Note—See foot notes for description of protractor.

No. 433—Size, inches..... 12
Per Set (Complete)..... \$6.65



With Hardened Blade

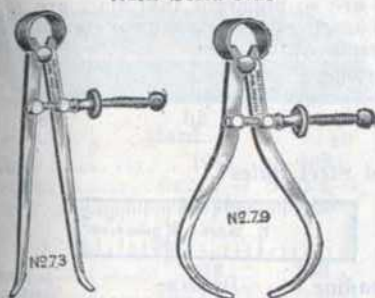
Set consists of No. 33 combination square with hardened drop forged stock and center head and 7 inch reversible protractor head No. 490. No. 4 graduations, 8ths, 16ths, 32ds and 64ths.

Note—See foot notes for description of protractor.

No. 434—Size, inches..... 12
Per Set (Complete)..... \$7.65

SPRING CALIPERS

Starrett Yankee
With Solid Nut



No. 73—Inside Transfer

After caliper ing inside of cham-
bered cavity by springing in the
legs they may be withdrawn, and
as they spring back, will show
the exact size calipered.

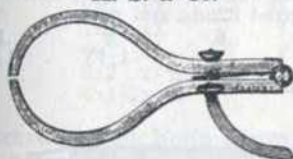
Size, inches. 2½ 3 4 5 6
Each\$0.70 .75 .75 .85 .90

No. 79—Outside

Size, inches. 2½ 3 4 5 6
Each\$0.70 .75 .75 .85 .90

WINGED CALIPERS

H. S. & Co.



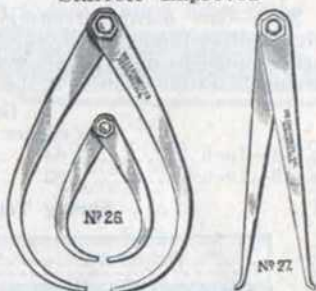
Brass Joint

Forged from highest grade of
steel, polished. Head is large,
firm and symmetrical. Tempered
steel adjusting spring; knurled
adjusting screw and flat head steel
thumb screw to lock the wing in
position.

No. 109—Inches.... 6 8
Each \$0.75 .95

FIRM JOINT CALIPERS

Starrett Improved



No. 26—Outside

Size, in.	Each
3	\$0.45
4	.50
5	.60
6	.70
8	.85
10	.95
12	1.00

No. 27—Inside

Size, in.	Each
3	\$0.45
4	.50
5	.60
6	.70
8	.85
10	.95
12	1.00

SPRING DIVIDERS

Starrett Yankee

No. 83—Solid Nut

Points hardened,
heavy bow spring
insures reliability.



Size, in.	Each
2½	\$0.70
3	.75
4	.75
5	.85
6	.90
8	1.15

WINGED DIVIDERS

H. S. & Co.

No. 106—Brass Joint

Forged steel, polished,
upper part of legs
square, lower part
having a long taper.
Tempered steel adjust-
ing spring; knurled ad-
justing screw and flat
head steel thumb
screw to lock the wing
in position.



In.	6	8	10	12
Ea.	\$0.60	.75	1.00	1.15

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

STEEL RULES

Starrett

Note—The many advantages of light, thin spring-tempered steel rules over ordinary thick, soft rules are so apparent that they are at once adopted by mechanics. Made to agree with the accurate standards furnished by the United States Government.

Graduations

	1st corner	2nd corner	3rd corner	4th corner
No. 4—Inch	64	32	16	8
No. 10—Inch	32	64	—	—

Spring Tempered Steel Rules



Front



Reverse

Quick Reading

Special attention is called to the fact that these rules are figured so as to assist the user to quickly read the 64ths as shown on cut. Has No. 4 graduation; which consists of 8ths and 16ths on one side and 32nds and 64ths on the other, and is graduated in 32nds of an inch on both ends of one side, as shown on cut. Thickness $\frac{3}{4}$ inch or No. 18 gauge.

No. 603—Length, inches..	2	3	4	6	9	12
Width, inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Each	\$0.40	.50	.65	.75	1.15	1.40

Flexible Steel Rules



No. 10 Graduation

These are very thin spring-tempered rules, nicely graduated on one side only. Those from 1 inch to 12 inches are $\frac{1}{2}$ inch wide, and will easily conform to a 2 inch circle. Graduated 32nds and 64ths.

No. 320—Length, inches.....	4	6	9	12
Each	\$0.65	.75	1.15	1.40

MACHINISTS' SCRIBERS

Starrett



Pocket

Made of steel tubing, knurled and nickel plated. Scriber point made from best quality steel, tempered and held by a knurled chuck. Is reversible, telescoping into the stock and held by slight turn of chuck, is always safe to carry in the pocket like a penknife. Hexagon head prevents rolling off bench.

Nos.	70A	70B
Length of blade, inches.....	2 $\frac{3}{8}$	2 $\frac{7}{8}$
Diameter of handle, inches.....	$\frac{1}{4}$	$\frac{3}{8}$
Weight each, ounces.....	1	1 $\frac{1}{2}$
Each	\$0.30	.45

Prices Subject to Market Changes

OIL STONES

Arkansas Bench Stones



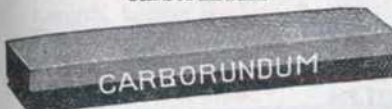
Hard

Nos.	106	108
Inches	6x2x $\frac{3}{4}$ -1	8x2x $\frac{3}{4}$ -1
Each	\$5.10	6.80

Soft

Nos.	306	308
Inches	6x2x $\frac{3}{4}$ -1	8x2x $\frac{3}{4}$ -1
Each	\$1.70	2.75

Carborundum



Combination

Made with one face coarse and one face very fine grit. The coarse side can be used for sharpening very dull tools; the fine side for giving required keen, lasting edge.

Nos.	Size, inches	Each
108	8x2 x1	\$1.50
110	7x2 x1	1.25
109	6x2 x1	1.05
111	5x2 x $\frac{3}{4}$	.85
112	4x1 $\frac{3}{4}$ x $\frac{5}{8}$	.72

Arkansas Pen Knife Pieces



Nos.	Size, inches	Each
116	3x1x $\frac{1}{4}$ - $\frac{3}{8}$	\$0.43
117	4x1x $\frac{1}{4}$ - $\frac{3}{8}$	.65
118	5x1x $\frac{1}{4}$ - $\frac{3}{8}$	1.05

Note—For Pike Stone Oil see page 87.

Prices Subject to Market Changes

Arkansas Round Edge Slips



Hard

Nos.	Size, inches	Each
103	3x2x $\frac{3}{8}$ to $\frac{1}{8}$	\$0.85
104	4x2x $\frac{3}{8}$ to $\frac{1}{8}$	1.30
105	5x2x $\frac{3}{8}$ to $\frac{1}{8}$	1.70

Soft

Nos.	Size, inches	Each
303	3x2x $\frac{3}{8}$ to $\frac{1}{8}$	\$0.35
304	4x2x $\frac{3}{8}$ to $\frac{1}{8}$	.50
305	5x2x $\frac{3}{8}$ to $\frac{1}{8}$	.85

Miscellaneous Arkansas Sticks



Triangular

No. 120—3 to 3½ inches long.	
Each	\$0.34



Square

No. 121—3 to 3½ inches long.
Each \$0.34



Point

No. 122—3 to 3½ inches long.	
Each	\$0.65

Arkansas Carving Tool Slips



In Sets of Four

Four shapes in a set, each shape being especially useful for various knives used by wood and ivory carvers.

Size 2 $\frac{1}{4}$ x $\frac{7}{8}$ x $\frac{1}{8}$ inches, weight per set 3 ounces.....Set \$1.28

Hammacher, Schlemmer & Co.

NICHOLSON FILES Kearney & Foote Brand MILL FILES



Mill Bastard, Square Edges		6	8	10	12	14
Length, inches	.....				
Each	.....	\$0.13	.16	.21	.27	.39

Mill Second Cut, Square Edge		8	10	12
Length, inches	.....		
Each	.....	\$0.18	.23	.31

Mill Smooth, Square Edge		8	10
Length, inches	.....	
Each	.....	\$0.20	.26



Mill Bastard, One Round Edge		6	8	10	12
Length, inches	.....			
Each	.....	\$0.14	.18	.23	.31

FLAT FILES



Flat Bastard		4	5	6	8	10	12	14
Length, inches	.....						
Each	.....	\$0.14	.15	.16	.20	.26	.35	.48

Flat Second Cut		6	8	10	12	14
Length, inches	.....				
Each	.....	\$0.18	.22	.30	.40	.55

Flat Smooth		6	8	10	12	14
Length, inches	.....				
Each	.....	\$0.19	.24	.32	.44	.60

HALF ROUND FILES



Half Round Bastard		4	5	6	8	10	12	14
Length, inches	.....						
Each	.....	\$0.18	.20	.22	.27	.33	.43	.56

Half Round Second Cut		4	6	8	10	12	14
Length, inches	.....					
Each	.....	\$0.21	.25	.30	.37	.47	.62

Half Round Smooth		4	5	6	8	10	12	14
Length, inches	.....						
Each	.....	\$0.22	.23	.26	.32	.39	.50	.66

Prices Subject to Market Changes

Fourth Avenue at 13th Street also at 57th Street—145-147 East

NICHOLSON FILES
Kearney & Foote Brand
ROUND FILES



Round Bastard

Length, inches	4	5	6	8	10	12	14
Each	\$0.11	.12	.13	.16	.21	.27	.39

Round Second Cut

Length, inches	4	5	6	8	10	12	14
Each	\$0.13	.14	.15	.18	.23	.31	.44

Round Smooth

Length, inches	4	6	8	10	12
Each	\$0.14	.18	.20	.26	.34

REGULAR TAPER FILES



Regular Taper Single Cut

Length, inches	5 1/2	6	7	8
Each	\$0.11	.12	.16	.20

SLIM TAPER FILES



Slim Taper Single Cut

Length, inches	5	5 1/2	6	7	8
Each	\$0.09	.11	.11	.14	.17

HALF ROUND CABINET FILES



Length, inches	8	10	12	14
Each	\$0.37	.50	.70	.90

WOOD RASPS



Flat Cabinet Rasp, Second Cut

Length, inches	8	10	12	14
Each	\$0.48	.64	.83	1.10



Half Round Wood Rasp, Bastard Cut

Length, inches	8	10	12	14
Each	\$0.38	.50	.68	.91

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

FILE CARDS OR CLEANERS

Nicholson



Complete with steel cleaner that fits in the handle.

Varnished hardwood frame and handle; hardened steel wire brush attached to leather face on one side, black bristle brush on reverse side.

No. 2— $4\frac{1}{4} \times 1\frac{1}{2}$ inches; length over all 10 inches; weight each 6 ouncesEach \$0.85

Colton



Complete with soft steel pick. Steel back, frame and face; tempered steel wire bristles.

No. 10—Back 4×2 inches, handle $3\frac{3}{4}$ inches; weight each 5 ounces
Each\$0.40

BENCH DUSTERS



*No. 10—5 inch block; white bristlesEach \$0.63

No. AH3—10 inch block; white and gray bristles...Each \$0.90

*Our regular manual training school duster.

FILE HANDLES

Skroo-Zon



Cuts Its Own Thread

Selected hardwood, heavy steel ferrule; tempered steel die allowing file to be screwed on or off indefinitely. Can also be used on soldering irons, bearing scrapers, etc.

Nos.	For File, in.	Each
2	4	\$0.15
3	5	.15
4	6	.15
5	8	.20
6	10	.20
7	12	.25
8	14	.25

Common



Soft Wood with Brass Ferrules
Assorted Sizes.....Each \$0.05

SANDPAPER BLOCKS

Johnson



With the use of this device the sandpaper will always be held securely in place. The heavy felt with which the holder is covered and over which the sandpaper is placed will prevent the surface of articles from being scratched.

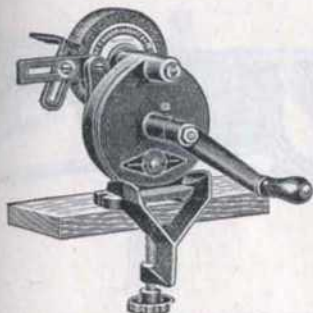
The sand or emery paper can be attached quickly and holds No. 00 up to No. 3

No. 21—Size $4\frac{1}{2} \times 2\frac{3}{4} \times 1$ inch.
Each\$0.25

Prices Subject to Market Changes

TOOL GRINDERS

Carborundum "Niagara"



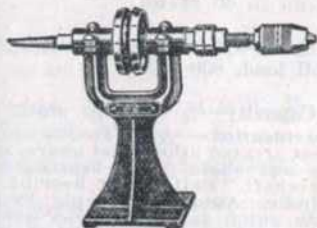
Every part from castings to nuts is accurately made, perfectly fitted. The gear case is made of the best grade of gray iron, the two sections being ground to a fit, making the case absolutely oil tight. The gears are accurately cut, they run smoothly and are practically noiseless. The handle and screw clamp are made of malleable iron to withstand strains, and all small parts are heavily nickel plated.

Every machine is fitted with a carborundum wheel, the fastest, coolest cutting of all wheels for general grinding purposes.

Nos.	1	2	3	4
Wheel diameter, inches.....	4	5	6	7
Wheel thickness, inches.....	1	1	1	1 1/4
Each	\$4.60	4.90	7.60	8.25

POLISHING HEADS

Millers Falls

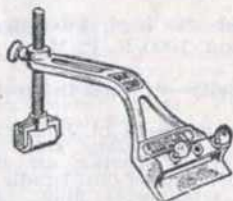


A small, well proportioned head with adjustable flanges from 0-7/8 inch. Pulley grooved for 1/4 inch round belt or the 3/4 inch face can be used for flat belt. Height to center of spindle 6 inches. Diameter of spindle 1/2 inch, diameter of pulley 1 1/8 inches. One end of spindle tapered, other end equipped with 3-jaw chuck holding drills from 0-1/8 inch diameter.

No. 250 — Takes wheels 1 inch thick and 1/2 inch hole; base 2 3/4 x 2 3/4 inches; weight 2 1/4 pounds Each \$2.40

CUTTER AND CHISEL GRINDERS

Stanley



Nickel Plated

A device for holding plane iron, chisels and other similar cutting tools that they may be ground or honed to any desired angle or bevel.

The tool to be sharpened is held rigidly in the grinder by thumb screws.

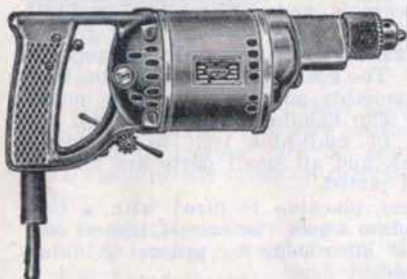
No. 200—All metal; weight each 1 3/8 pounds..... Each \$1.30

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

ELECTRIC DRILLS

Millers Falls

**1/4 Inch Light Duty No. 214**

A powerful, light and exceptionally well-balanced drill with excellent ventilation. Designed for light and intermittent service.

Motor—Universal for D. C. or A. C. up to 60 cycles.

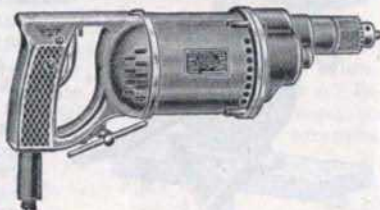
Speed—No load, 1800 R. P. M.
Full load, 1000 R. P. M.

Capacity—1/4 inch in steel.

Specifications—1/4 in. Jacobs chuck. Heat treated alloy steel gears, spindle and shaft. Ball thrust bearing on spindle. Switch mounted on handle. Armored attachment plug. Aluminum housing efficiently ventilated. Brushes easily replaced from outside without taking tool apart. 12 feet best quality rubber covered cord furnished. Spindle offset for close boring, 1/8 inch from outside of housing. Weight 5 pounds net. Over all length, 12 inches. Furnished in 32, 110, 150, 220 and 250 volt.

No. 214 Drill.....Each \$25.00

Special speed of 3000 R. P. M.
Extra\$2.50

**1/2 Inch No. 516**

Perfectly balanced and built to withstand the severest use in continuous production work.

Motor—Universal for D. C. or A. C. up to 60 cycles.

Speed—No load, 1500 R. P. M.
Full load, 800 R. P. M.

Capacity—1/2 inch in steel.

Specifications—1/2 in. Jacobs chuck. Heat treated alloy steel gears, spindle and shaft. Ball bearing motor shaft. Ball thrust bearing on spindle. Automatic toggle switch with catch for continuous operation on drill stand. 12 feet best quality rubber covered cord and attachment plug. Spring clip for chuck wrench. Pigtail brushes replaced from outside. Net weight, 7 1/2 pounds. Over all length 14 inches. Keyless chuck optional equipment.

No. 516 Drill.....Each \$45.00

Special speed of 2000 R. P. M.
Extra\$2.50

Three wire cord for ground connection optional.

Prices Subject to Market Changes

ELECTRIC DRILLS

Millers Falls

**1/2 Inch Standard No. 312**

The features of this 1/2 inch Standard drill are its powerful ball bearing motor, extremely good ventilation, light weight and rugged construction. This is an ideal tool for millwrights, electricians, plumbers and automotive repairmen.

Motor—Universal for D. C. or A. C. up to 60 cycles.

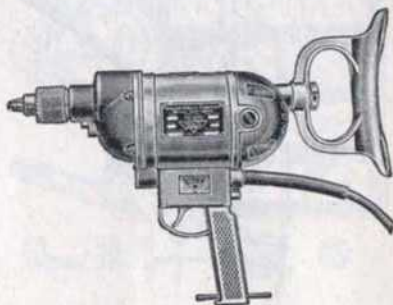
Speed—No load, 475 R. P. M. Full load, 300 R. P. M.

Capacity—1/2 inch in steel.

Specifications—1/2 inch three jaw chuck. Heat treated alloy steel gears. Ball bearing motor. Ball thrust bearing on spindle. Double pole, double break safety switch with catch for continuous operation. Pigtail brushes easily replaced from outside. Spring clip for holding chuck wrench in handle. Combination adjustable breast plate and spade handle. 15 feet rubber covered cord with attachment plug. Net weight 14 pounds. Over all length 17 inches. Furnished in 32, 110, 220 and 250 volt.

No. 312 Drill.....Each \$45.00

Three wire cord for ground connection optional.

**3/8 Inch No. 538**

Light, powerful drill with chuck capacity of 3/8 inch. Has spade handle breast plate and can be furnished with auxiliary handle if desired.

Motor—Universal for D. C. or A. C. up to 60 cycles.

Speed—No load, 1000 R. P. M. Full load, 600 R. P. M.

Capacity—3/8 inch in steel.

Specifications—3/8 in. Jacobs chuck. Heat treated alloy steel gears. Ball thrust bearing on spindle. Ball bearing motor shaft. Phosphor bronze bushings. Double pole, double break safety switch with catch for continuous operation. Armored attachment plug. Aluminum housing efficiently ventilated. Pigtail brushes easily replaced from outside without taking tool apart. Grease lubrication. Spring clip for holding chuck wrench. 15 feet best quality rubber covered cord. Adjustable spade handle and breast plate. Weight 13 3/4 pounds net. Over all length 18 inches. Can be furnished with auxiliary side handle if desired. Furnished in 32, 110, 150, 220 and 250 volt. Unless otherwise specified 110 volt will be furnished.

No. 538 Drill.....Each \$58.00

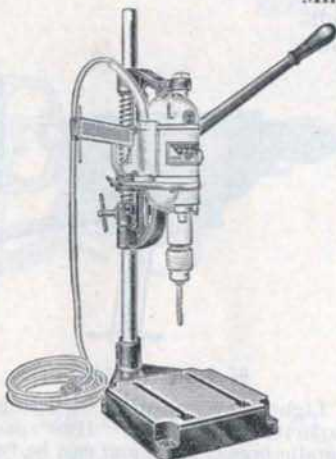
Three wire cord for ground connection optional.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

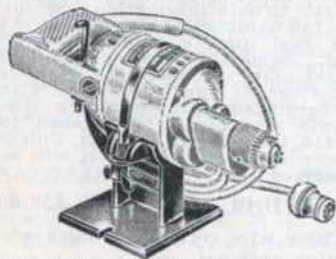
BENCH DRILL STANDS

Millers Falls

**Without Drill**

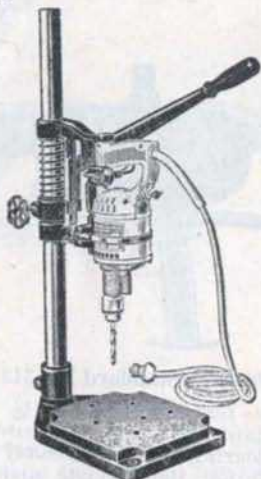
Can be used for converting any Millers Falls electric drill above $\frac{1}{8}$ inch capacity, into a convenient drill press. Bracket to which drill is attached, permits lowering or raising drill on the precision ground tubular column. Radial adjustment about the column made in same manner. Height of column over all 36 inches, maximum distance between chuck and base 16 inches, base 10x10 inches; two tee bolts for holding work.

No. 1238—Finished in black and red enamel; weight without drill 77½ pounds..Each **\$18.00**



No. 1014—Finished in black enamel; weight 2½ pounds....Each **\$2.50**

Prices Subject to Market Changes

**Without Drill**

This bench drill stand has been put on the market to increase the usefulness of electric drills Nos. 214, $\frac{1}{4}$ inch, and 516, $\frac{1}{8}$ inch. The height of the column over all is 28 inches. The base is 9x8 inches and has four holes for fastening work. The maximum distance from chuck to base is 13¼ inches.

No. 1514—Finished in black and red enamel; weight without drill 35½ pounds.....Each **\$14.00**

Without Drill

This stand makes use of electric drills Nos. 214, $\frac{1}{4}$ inch, and No. 516, $\frac{1}{8}$ inch. Can be used for a large number of purposes, including grinding and buffing. When used with 4x½ inch grinding wheel small tools can be sharpened rapidly. Stand fastens to bench by screws and drill is held in stand by clamp and thumb screw, so it may be used either on bench or portably without waste of time.

DELTA 6 INCH CIRCULAR SAW UNIT



Ideal for a great variety of work. Will do ripping, cross-cutting, grooving, plowing, plain and compound mitering to exact length, dadoing, cutting mouldings, tenoning, slotting, etc.

Table 12x14 $\frac{1}{4}$ inches, tilts 45° to left. Rip gage 1 $\frac{1}{4}$ x16 extends clear across table. Miterage 1 $\frac{1}{2}$ x6 inches, 0° to 60° both sides. Atkins 6 inch blade, will rip or cross cut pieces up to 1 $\frac{3}{4}$ inches thick. Motor base arranged so all other parts of Handi-Shop may be added later, also scroll saw lathe bed, etc.

No. 160—Unit, complete with motor No. 400 for 110 volt A. C., 60 cycle current with No. 133 blade, No. 53 V belt and No. 172 pulley; shipping weight 90 pounds.....Each \$42.00

No. 162—Saw only, with No. 172 pulley and No. 53 "V" belt; motor, cord and plug and motor base not included; shipping weight 45 pounds..Each \$21.25

Short U-Bed



Used to attach No. 160 circular saw motor unit and No. 70 scroll saw motor unit where there is no regular lathe bed. Also to attach tilting sanding table. Bed slotted for quick removal of table.

No. 154—Shipping weight 4 lbs.Each \$2.00

DELTA MOULDING CUTTERS

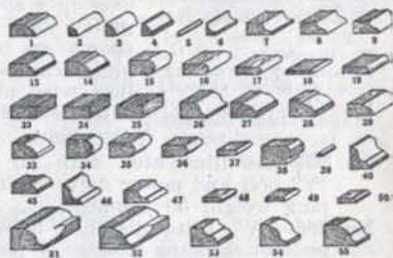
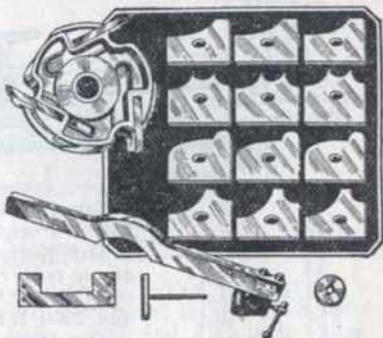


Illustration shows a few of the many styles of moulding which can be made with these cutters.

No. 246—Moulding cutter set to fit $\frac{1}{2}$ inch arbor of 6 inch Delta circular saw No. 162; complete as shown above with 4 sets of "High Speed" cutters, table insert, guide fence, collar, wrench and directions; shipping weight 7 pounds.....Set \$15.00

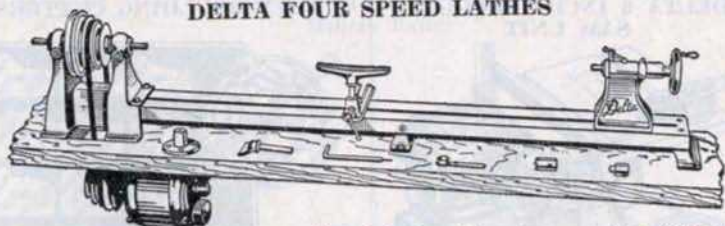
No. 248—Same as above but larger; fits $\frac{5}{8}$ inch arbor of No. 318 Delta 8 inch circular saw; (same cutters); shipping weight 8 pounds.....Set \$15.75

Note—Deduct \$2.50 if guide fence is not wanted.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

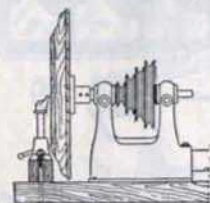
DELTA FOUR SPEED LATHES



Capacity—9 inches diameter over bed, 36 inches between centers, $\frac{1}{2}$ inch spindles.

Any $\frac{1}{4}$ H. P. constant speed motor will furnish ample power. With drive pulley rotating at speed of 1750 R.P.M. lathe has 4 speeds—750, 1250, 1750 and 2250 R.P.M.

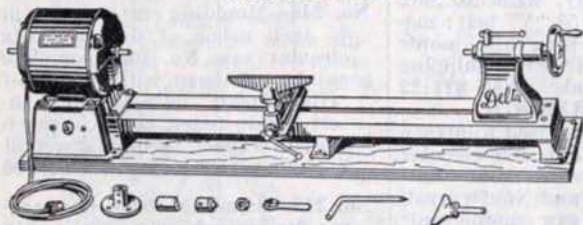
Any Delta lathe and standing attachments will fit. Can use Handy-Shop lathe bed and chanve over to 4 speed lathe by adding headstock, drive pulley and V-belt. Motor may be mounted as shown or to rear or above lathe. Headstock pulley can be reversed. Spindle runs in long bearings with automatic wick oiling. Two enclosed ball thrust bearings take care of thrust in both directions.



Pieces almost 14 in. diameter may be turned by attaching face plate as shown. Use slow speed. Tool support base blocked up to proper height.

- No. 277—As illustrated with all attachments except without motor, "V" belt and motor drive pulley, also not mounted on board; shipping weight 50 pounds.....Each \$24.45
- No. 286—"V" belt; distance between pulleys center to center $12\frac{1}{2}$ inches; shipping weight $\frac{1}{2}$ pound.....Each \$1.15
- No. 288—Motor drive pulley, 4 step; fits any $\frac{1}{2}$ inch motor shaft; ($\frac{5}{8}$ and $\frac{3}{4}$ inch bores at same price); ship. weight 3 lbs..Each, \$1.50
- No. 280—Headstock only; shipping weight $18\frac{1}{2}$ pounds....Each 8.75

DELTA ELECTRIC LATHE



Capacity—9 inch diam. swing, 36 inches between centers.

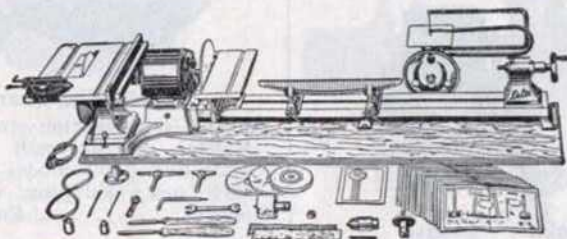
Motor— $\frac{1}{3}$ H. P., 110 V., A.C. 60 cycle, double shaft, mounted on heavy iron base, speed 1750 R. P. M.

With ball bearing tailstock, thrust bearing, tool support base, 3 and 6 inch tool support, face plate, drive center, cup center, extension wrench, box wrench, cord and plug. Completely assembled on 8x54 inch 5-ply veneer board ready for work.

- No. 270—Net weight 65 lbs., shipping weight 90 lbs.....Each \$40.50
Add \$5.00 if with D. C. motor, 115 volts.

Prices Subject to Market Changes

DELTA ELECTRIC HANDI-SHOP



Consists of motor, circular saw, scroll saw, lathe, lathe attachments, sanding attachments, turning tools, blue prints and directions. Completely assembled, properly lined up and mounted on 5-ply veneer base, ready to operate. Length over all 65 inches, height 12 inches, width 18 inches. Packed in heavy iron strapped box ready for reshipment. Shipping weight 182 pounds.

With A. C. Motor

No. 235AC—Motor No. 400, 110 V.,
60 cycles, speed 1725 R. P. M.
.....Each \$99.50

With D. C. Motor

No. 235DC—Motor No. 407, 115 V.,
speed 1750 R. P. M.....
.....Each \$104.50

General Specifications

Motor—Special $\frac{1}{2}$ H. P., with two shafts, $\frac{1}{2} \times 1\frac{1}{2}$ inches. Develops more than $\frac{1}{2}$ H. P. before stalling.

Lathe—Capacity 9 inches diameter, 36 inches long between centers. U-shape steel bed. Ball bearing tail stock, holds either dead center, drill chuck or face plate. Tool support base, 18 inch double tool support, 6 and 3 inch single supports, ball thrust bearing, face plate, drive center, dead center, extension and box wrenches.

Lathe Attachments—5 inch emery wheel, 6 inch buffing wheel, $\frac{1}{2}$ inch capacity chuck fits on motor shaft, circular saw arbor and tailstock. One spear point and one gouge turning tool with $8\frac{1}{2}$ inch long handles. Emery wheel arbor.

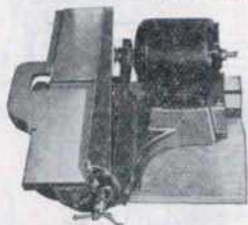
Sanding Attachments—Sanding drum, $8\frac{1}{2}$ inch diameter sanding disc with garnet paper disc. Sanding table 5×12 inches, can be tilted 45 degrees down, 15 degrees up and can be raised and lowered and used for boring table. $\frac{1}{2}$ inch groove for Delta miterage.

Circular Saw—Iron table $12 \times 14\frac{1}{4}$ inches, with removable steel table insert for 5 inch diameter dado head, $\frac{1}{2}$ inch wide slots on both sides of blade for miterage. Table raises and lowers, also tilts 45 degrees to left. Atkins 6 inch diameter saw, A-Z teeth, rips or cross cuts pieces $1\frac{1}{4}$ inches thick. Miterage $1\frac{1}{2}$ inches high, 6 inches wide, graduated 0 to 60 degrees to either side. Also used on sanding table for sanding plain and compound miters; can be used as a protractor in laying out work. One plain and one bent stop rod with clamp for cutting pieces accurately to length. Rip gauge $1\frac{1}{4}$ inches high, 16 inches long, can be attached to either side of saw. Saw blade guarded on all sides underneath table. Scoop-like section throws saw dust away from machine.

Scroll Saw—With tilting table and plain 12 inch capacity frame, six each Nos. 3 and 4 pin end blades and endless V belts.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DELTA-HANDI-SHOP ACCESSORIES**Jointer Subbase**

Combination chute and subbase for jointer; 4 in. jointer can be mounted on motor base of Handi-Shop as shown. Ample provision to leave out shavings. Quickly attached in T-slot of base. Small 1 $\frac{1}{8}$ inch diameter pulley included so that No. 50 Handi-Shop "V" belt can be used and driven from No. 172 double pulley, which is already on Handi-Shop.

No. 309—With 1 $\frac{1}{8}$ inch diameter pulley; shipping weight 10 lbs.
.....Each \$2.50

**New Delta Miterage**

No. 180—Fits any $\frac{1}{8}$ x $\frac{1}{2}$ inch wide groove; has graduations and adjustable stop rod and clamp; shipping weight 1 $\frac{1}{2}$ pounds.
.....Each \$2.25

**5 Inch Dado Set**

No. 135—Has two $\frac{1}{8}$ inch wide outside cutters, and one $\frac{1}{4}$ inch wide and one $\frac{1}{8}$ inch wide inside cutters; will cut these grooves, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ inch wide; shipping weight 2 $\frac{1}{4}$ pounds.
.....Per Set \$9.00

**Combination Guard**

No. 186—Combination swing and splitter guard; will fit any 1929 and 1930 model Delta 6 inch saw; shipping weight 8 ounces.
.....Each \$2.25

**Tool Support Base**

No. 176—Has $\frac{1}{2}$ inch diameter hole for tool supports with lock bolt as shown; clamp plate washer, bolt and nut also included; shipping weight 2 lbs.
.....Each \$1.50

**Double Tool Support**

No. 179—Extra wide tool support with $\frac{1}{2}$ inch diameter shanks, 18 inches wide for long turning; shipping weight 4 pounds.
.....Each \$2.50



No. 177



No. 178

Narrow Tool Support

No. 177—Narrow tool support, has $\frac{1}{2}$ inch diameter steel shank; very strong; 3 inches wide; shipping weight 8 ounces. Each \$0.95
No. 178—Wide tool support has $\frac{1}{2}$ inch diameter steel shank exceedingly strong yet not clumsy; 6 inches wide; shipping weight 12 ounces.
.....Each \$1.10

Prices Subject to Market Changes

DELTA HANDI-SHOP ACCESSORIES

**Drill Chuck**

No. 120—Holds up to $\frac{1}{2}$ in diam. drills; fits close to motor, no overhang; fits any $\frac{1}{2}$ inch diam. shaft; shipping weight $1\frac{1}{4}$ pounds.....Each \$2.50



No. 138



No. 141

Drive Center

No. 138—With replaceable center pin; fits any $\frac{1}{2}$ inch diam. shaft, 4 milled teeth; shipping weight 4 oz.....Each \$1.50

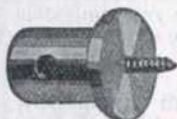
Cup Center

No. 141—Hardened and well made; fits tall stock spindle; has $\frac{1}{2}$ inch diam. hole, center pin replaceable; shipping weight 4 oz.....Each \$1.00

**Face Plate**

For large face plate work; fits any $\frac{1}{2}$ inch diam. shaft. With 2 Allen set screws.

No. 143—Diameter 3 inches; shipping weight 1 pound..Each \$1.10

**Screw Center Plate**

No. 140—For turning small, delicate work; fits any $\frac{1}{2}$ inch diam. shaft; $1\frac{1}{2}$ inch diam. body; shipping weight 8 oz..Each \$1.50

**Emery Wheel Arbor**

Left hand flange part of body compels wheel to run true.

No. 118—Fits any $\frac{1}{2}$ inch diam. shaft; shipping weight 12 oz.Each \$1.25

**Allen Extension Wrench**

Length 6 in., $2\frac{1}{2}$ in. wide.

No. 192—Fits any $\frac{7}{8}$ inch diam. Allen hollow head set screw; shipping weight 5 oz..Each \$0.25

**Combination Pulley**

Drives 6 inch Delta circular and Giant scroll saw at proper speed. No changing of pulleys required.

No. 172—Fits $\frac{1}{2}$ inch diam. motor shaft; shipping weight 1 pound.Each \$0.75

**Circular Saw Belt**

V belt for driving 6 inch Delta circular saw. Delivers maximum power to blade.

No. 53—Fits No. 172 double pulley; shipping weight 2 ounces.Each \$0.75

**Steady Rest**

Prevents springing and vibrating of long small diameter stock.

No. 108—Fits any Delta 9 inch lathe; shipping weight $3\frac{3}{4}$ poundsEach \$2.75

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

COMBINATION SAW AND JOINTER MOTOR DRIVEN UNIT

Delta 8 Inch Circular Saw and 4 Inch Jointer

Without Motor



Complete and self-contained; handy and practical in operation. Both jointer and circular saw mounted on a stand of heavy steel.

Jointer and circular saw are driven individually by means of two "V" belts and by the same motor. Possible to operate both machines at same time or any of the two separately.

If there is a large amount of circular saw work to be done and the jointer is not needed, it is only necessary to take off jointer belt from the motor drive pulley.

Both machines so placed that there is no interference of any kind with one another. Table of circular saw is sufficiently high to clear the jointer and its fence. Saw table tilts to right and away from jointer; fence of jointer can be tilted for bevel cuts without interference with the other machine.

A chute carries the shavings of the jointer away from machine. The whole unit runs smoothly and quietly. It may be placed in center of room, thus enabling cutting of long pieces. It is portable and can be carried to the job, or out in the open, and can be run from any light socket.

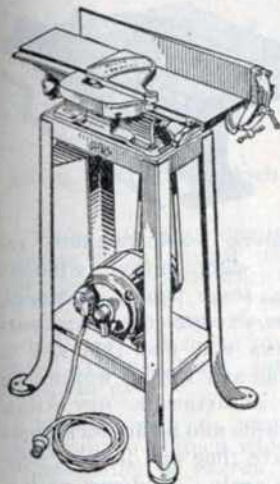
Easy to mount and line up any motor, as full directions come with stand. For average and production work we recommend a $\frac{1}{2}$ H. P. 1750 R. P. M. constant speed type motor. (Use a $\frac{1}{4}$ or $\frac{1}{3}$ H. P. motor for light work.)

No. 350—Combination unit with No. 318, 8 inch circular saw, No. 300, 4 in. jointer, No. 356 stand, double pulley with $\frac{3}{4}$ in. bore, No. 330 "V" belt and No. 307 "V" belt; motor and aluminum guards not included; shipping weight 150 pounds.....Each. \$60.50

Prices Subject to Market Changes

DELTA 4 INCH JOINTER UNIT

Without Motor



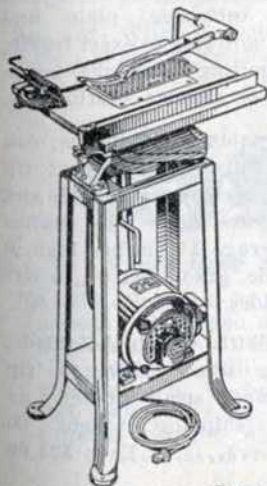
This compact sturdy machine is not only neat in appearance, but dependable and speedy in operation. Mounted on a rugged and heavy steel stand. Any $\frac{1}{4}$ H.P. constant speed motor will give ample power for continuous work. Motors are easily mounted (full directions furnished).

Chute carries away shavings, which may be collected by placing box at rear of machine. Easily moved about and taken to the job. No need to first build a stand. Every patternmaker, assembler or finisher should have one alongside his bench.

No. 296—Jointer unit as shown with steel stand, "V" belt No. 307, 5 inch motor pulley No. 322 with $\frac{1}{2}$ inch bore, and chute except that motor and aluminum guard are not included; shipping weight 74 pounds Each \$32.50

DELTA 8 INCH CIRCULAR SAW UNIT

Without Motor

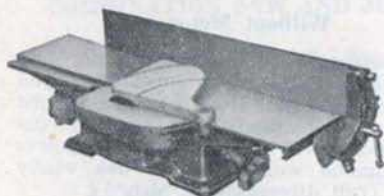


This unit is self-contained and very practical; it has the same heavy steel stand as used for the 4 inch jointer, except that the chute is not required. Nearly every shop can use this practical and dependable machine. It can be placed in center of room for cutting long and large boards without interference. Motors are easily mounted (direction furnished). For average and production work we recommend a $\frac{1}{2}$ H.P. constant speed motor, but for light work a $\frac{1}{4}$ or $\frac{1}{8}$ H.P. motor may be used.

No. 328—Circular saw unit, as shown, including steel stand, 5 inch motor pulley No. 322 with $\frac{3}{4}$ inch bore, "V" belt No. 330, except that motor and aluminum guard are not included; shipping weight 97 pounds Each \$32.00

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DELTA 4 INCH JOINTER

Indispensable for work within its capacity, and for such work it will be found even better, more handy, and more speedy than large expensive machines. Ideal for patternmakers, furniture and cabinet-makers, piano instrument factories, sash and door mills, experimental and development departments, maintenance and repairmen, assembly and fitting rooms, home workshops and for many other purposes.

Can be easily moved about and run from any light socket. May be connected to any constant speed motor, a $\frac{1}{4}$ H. P. being more than sufficient.

Note the long graduated fence and large rabbet arm.

Length of table 20 inches over all; fence tilts fully 45° .

No. 300—With 3 high speed knives, small pulley, graduated fence, but not including aluminum guard; shipping weight 43 pounds.....Each **\$25.00**

No. 303—Aluminum guard with pin and spring; shipping weight $1\frac{1}{4}$ pounds.....Each **\$2.50**

Note—4 inch jointer can be attached to motor base of Handi-Shops and No. 70 and No. 160 units by means of a combination sub-base and chute as shown on page 136.

DELTA 8 INCH CIRCULAR SAW

Carpenters, cabinetmakers, repairmen, signpainters, window-trimmers, stage hands, designers, tile-layers, experimenters, and patternmakers will find this saw a dependable and willing worker. In shipping departments, dry kilns, lumber yards and home workshops, it will save time and its cost over and over again. Equipped with a bakelite wheel it can be used for cutting tile, hardened steel, aluminum, or brass shapes and tubings, will do ripping, cross-cutting, grooving, rabbeting, plain and compound mitering to exact length, dadoing, cutting mouldings, tenoning, plain or angular slotting, etc.

Size of table 14x17 inches; can be tilted fully 45° to right; rip gage extends clear across table and is $1\frac{1}{4}$ inches high, $18\frac{1}{2}$ inches long; mitrage $1\frac{1}{2}$ inches high, 6 inches wide, graduated 0° to 60° on both sides.

No. 318—With 8 inch A-Z blade, elevating screw, mitrage, rip gauge and small pulley, as shown; shipping weight 66 pounds.....Each **\$25.00**

Prices Subject to Market Changes

ACCESSORIES FOR DELTA 4 INCH JOINTER AND 8 INCH CIRCULAR SAW



Swing Guard for 8 inch Circular Saw

Made of cast aluminum and swings on a rugged pivot yoke. Remains vertical when table is tilted and can be removed or swung out of way. Front is open with clear view to cut to a marked line. Offers least interference when in use.

Wide enough to protect dado heads up to $\frac{3}{4}$ inch wide. Allows cross-cutting of boards 12 inches wide and ripping of very wide boards, as there is no interference on right side of blade. Distance from arm to left side of blade $6\frac{1}{2}$ inches. Can be attached in a few minutes. No holes to drill.

No. 320—With all bolts, collars, etc.; shipping weight 7 pounds.
.....Each \$7.50



6 inch Dado Set

No. 333—Has two $\frac{1}{8}$ inch wide outside cutters and one $\frac{1}{4}$ inch wide and two $\frac{1}{8}$ inch wide inside cutters; will cut these grooves $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch wide; has $\frac{5}{8}$ inch hole; shipping weight $3\frac{3}{4}$ pounds.
.....Per Set \$12.00



5 inch Motor Pulley

Drives jointer or 8 inch circular saw. Made with $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch bore. Specify which. $\frac{3}{4}$ inch bore has $\frac{1}{8}$ inch keyway.

No. 322—5 inch pulley; shipping weight $1\frac{1}{2}$ pounds...Each \$0.75

Note—Will furnish $\frac{1}{2}$ inch bore unless otherwise specified.



5 inch Double Pulley

For unit No. 350 made with $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch diameter bore. Specify which. $\frac{3}{4}$ inch bore has $\frac{3}{16}$ inch keyway. Pulleys $1\frac{1}{4}$ inches apart.

No. 358—5 inch double pulley; shipping weight $2\frac{1}{2}$ pounds.
.....Each \$1.50

Note—Will furnish $\frac{3}{4}$ inch bore unless otherwise specified.



No. 307



No. 330

"V" Belt for 4 inch Jointer

No. 307—Most fool-proof belt drive made; more efficient than gears (98%); fits No. 358 and No. 322 pulley; shipping weight $\frac{1}{2}$ pound.....Each \$1.25

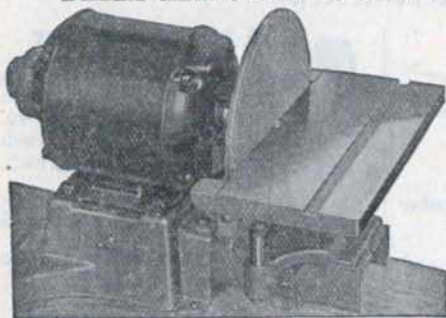
"V" Belt for 8 inch Circular Saw

No. 330—Will not slip and is easy on bearings; same as No. 307, only longer; shipping weight 10 oz.Each \$1.25

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DELTA ATTACHMENTS FOR SANDING AND BORING



Delta Sanding Disc

The working and finishing of wood by the modern method of sanding has become widespread in the wood working industry. The fine finish obtainable with or against the grain and the saving of time and effort are but two of its many advantages. For successful sanding work it is essential to have a sufficiently large disc and an easily and quickly tilted table to support the work. (See No. 147 Table listed below).

Note—Short U bed instead of regular lathe bed,

Simply lay out any regular or irregular shaped design, then cut off roughly the biggest "waste" pieces with either circular saw or scroll saw, and with the aid of this sanding disc and table, simply finish smoothly and exactly to the line.

No. 151—Sanding Disc, diameter $8\frac{1}{2}$ inches; fits any $\frac{1}{2}$ inch diameter motor shaft; shipping weight 3 pounds.....Each \$2.50

DELTA COMBINATION BORING AND SANDING TABLE

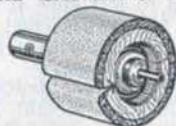
Note—For illustration see cut of No. 151 Delta Sanding Disc shown above.

Will tilt fully 45° downward and 15° upward. Gives perfect support to work to be sanded. $\frac{1}{2}$ inch wide x $\frac{1}{8}$ inch deep slot allows use of No. 180 miter gage for sanding plain and compound miters to exact length.

Table can be raised and lowered. Fine for boring or routing operations. Quickly attached. Fits any Delta Handi-Shop. Use short U-bed No. 154 if table wanted for Nos. 70, 72, 75, 78 or 160 units. Table finely machined.

No. 147—Table 5x12 inches; shipping weight 11 pounds.....
.....Each \$5.00

DELTA SANDING DRUM



With bolt and nut for attaching to portable drill motor or regular lathe motor. For sanding irregular shapes, for sanding convex and concave surfaces, for smoothing and sanding inaccessible corners, drawers, closets and floors, and for removing paint and rust preparatory to welding, brazing or soldering.

Covered with thick layer of felt. Sanding paper quickly and easily changed. Sanding surface 2 inches wide, $2\frac{1}{2}$ inches diameter.

No. 200—With one sheet each fine and coarse garnet paper and emery cloth; shipping weight 1 poundEach \$2.00

Prices Subject to Market Changes

BENCH OILERS

Wide Mouth

Steel, Copper
Plated

Heavy seamless steel domes, spring steel bottoms and machine cut threads. Collar, cap, bottom and nozzle are assembled without solder, which insures solid joints. One inch opening allows easy filling. Plated inside and out. Interchangeable spouts.

Straight Spouts

Nos.	Cap. Pints	Dia. In.	Spout In.	Each
12	1/4	2 3/4	3	\$0.20
13	1/3	3 3/8	3	.23
13A	1/3	3 3/8	5	.25
14A	1/2	3 3/4	3	.32
14AA	1/2	3 3/4	5	.34
15A	1	4 1/4	5	.41

With 9 inch Bent Spouts

Nos.	14	14B	16
Capacity, pints	1/2	1/2	1
Diameter, in...	3 3/8	3 3/4	4 1/4
Each	\$0.28	.36	.44

**POCKET OILERS**

Perfect

For bicycles, guns, fishing tackle, typewriters, sewing machines, roller skates, etc.

Consists of tube, tip and cap. The tip throws only a few drops at a time, thereby avoiding loss.

Each\$0.35

LUBRICATING OILS

Three-In-One



For lubricating light mechanisms, cleaning and polishing metal and wood, preventing rust and tarnish. Especially recommended for magneto bearings, the finest also for bicycles, sewing machines, guns, etc.

In Bottles

Ounces	1	3	8
Each	\$0.15	.30	.60

In Handy Cans

Flat tin oil can with sealing spout, can't leak, slips easily into hip pocket.

Ounces	1	3
Each	\$0.15	.30

Pike

Perfectly pure, acidless, and non-drying.

Will not gum, nor corrode the most highly polished metal. Recommended for all purposes where a thin, pure oil is required as a lubricant or rust preventative. Also used for cleaning



and polishing all kinds of wood and metal surfaces and on oil stones for sharpening tools, etc.

3 oz. Cans.....Each \$0.30

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

RAWLPLUGS

Fibre Screw Anchors—Hold Screws Fast

"Wherever You Use a Screw—Use a Rawlplug Too"—Rawlplugs are fibre screw anchors used for holding wood screws in any kind of material such as plaster, brick, concrete, tile, etc. May also be used for filling worn screw holes where a handle or knob has been pulled out.



The Household Kit

For the Handy Man

Contains a special Rawldrill and Toolholder for hanging pictures, putting up bathroom fixtures, mounting shelves, etc., and a supply of No. 8 Rawlplugs, nickel plated screws, screw eyes and screw hooks. Complete Each \$0.50



For the Complete Home Workshop or the Mechanic

Contractors Outfit packed in heavy gauge steel mechanics tool kit and contains following assortment: 100 each No. 8 x 1 in., 10x1 in., 12x1 1/4 in., 14x1 1/4 in. Rawlplugs; 25 each No. 3/8x2 in., 1/2x2 in. Rawlplugs; one Rawlplug and screw gauge; one tool ejector; three each No. 8, 10, 12 and 14

Rawldrills; one each No. 7/8x10 in., 3/4x12 in. Rawldrills; one No. 14 toolholder and instruction sheet.

Outfit complete Each \$20.00

This assortment provides sufficient variety to solve all the fixing and holding problems around the house, farm, garage, etc., from a bathroom fixture to a heavy motor or pump. Rawldrills can be used for making holes in all sorts of masonry wherever necessary. Other sizes of Rawlplugs found useful around house and garage are listed below.

Size Screw	Size Rawlplug	Per 100	Per Dozen	Size Rawldrill	Drill Each	Size and Price Drillholder Each	
5-6	6x1	\$1.45	\$0.25	No. 6	\$0.30	No. 8	\$0.75
7-8	8x1	1.80	.25	No. 8	.30	No. 8	.75
9-10	10x1	2.05	.27	No. 10	.35	No. 14	.75
11-12	12x1 1/2	2.95	.40	No. 12	.40	No. 14	.75
14	14x1 1/2	3.50	.45	No. 14	.45	No. 14	.75

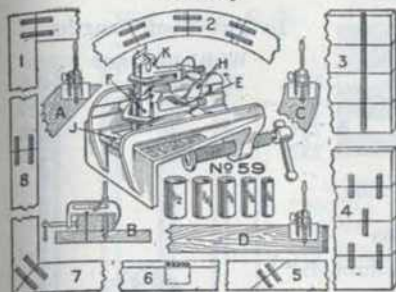
Rawlplugs are made for any size screw

Send for circulars

Prices Subject to Market Changes

DOWELING JIGS

Stanley



Nickel Plated

For boring dowel holes in the edge, end or surface of work. Will take any thickness of material up to 3 inches. Also used as a bit guide for mortising. Depth gauge furnished which can be used with or without jig.

No. 59—With five guides: $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ and $1\frac{1}{2}$ inch; weight $1\frac{3}{8}$ lbs. Each \$2.45

No. 60—With nine guides: $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, $1\frac{1}{2}$ and $3\frac{1}{4}$ inch; weight $1\frac{3}{8}$ lbs. Each \$3.55

DOWEL PLATES



Polished Steel, Five Holes

Length 6 inches, width $1\frac{1}{2}$ inches.

No. 111C—Plain; $\frac{1}{8}$ inch thick; for $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $3\frac{1}{4}$ inch dowels Each \$0.65

No. 111G—Grooved; $\frac{3}{8}$ inch thick; for $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $3\frac{1}{4}$ inch dowels Each \$1.60

DOWEL SHARPENERS

Stanley



Malleable Iron, Nickel Plated

Cuts very rapidly and can be readily resharpened. Each

No. 22—Length 3 inches....\$0.45

Prices Subject to Market Changes

SCROLL SAW WOOD

In Sheets 16x24 inches



Basswood

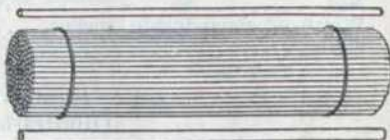
Single ply, inch....	$\frac{1}{8}$	$\frac{1}{4}$
Each	\$0.27	.40
Three-ply, inch....	$\frac{3}{8}$	$\frac{1}{4}$
Each	\$0.60	.60

Mahogany Veneer

Faced one side.

Thickness, inch.....	$\frac{1}{4}$
Each	\$0.83

WOOD DOWELS Genuine White Birch



Sanded smooth. For general cabinet and pattern work.

Note—We carry a large stock and can ship promptly.

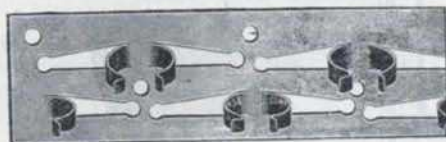
Prices per dozen

Diam., Inches	Length, Inches	
	36	42
$\frac{1}{8}$	\$0.20	.....
$\frac{1}{4}$	.20	\$0.25
$\frac{3}{8}$	.20	.25
$\frac{1}{2}$	.25	.25
$\frac{3}{4}$	.25	.25
$1\frac{1}{2}$	.30	.35
$1\frac{3}{4}$	.30	.35
$2\frac{1}{4}$	.36	.45
$3\frac{1}{4}$	.50	.60
$4\frac{1}{4}$	.75	.85
1	1.00	1.05

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

TOOL RACKS

Brass



In Two Foot Lengths

Nos.	Width of Clasp Inside, inches	Each
230	$\frac{5}{8}$	\$0.27
231	$\frac{7}{8}$	.30
232	$1\frac{1}{8}$	.45

(Illustration half size of clasps No. 230)

Brass

(Illustrations half size)



No. 235



No. 236

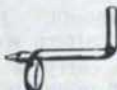


No. 237

Nos.	235	236	237
Width of clasp inside, inches.....	$\frac{5}{8}$	$\frac{7}{8}$	$1\frac{1}{8}$
Each	\$0.06	.07	.10

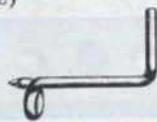
Steel Wire, Tinned

(Illustrations half size)



No. 101

No. 101—For miscellaneous small tools Each \$0.05

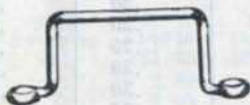


No. 102

No. 102—For miscellaneous tools. Each \$0.05

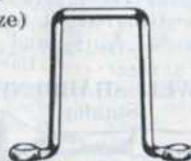
Steel Wire, Tinned

(Illustrations half size)



No. 103

No. 103—For miscellaneous small pliers, etc..... Each \$0.05



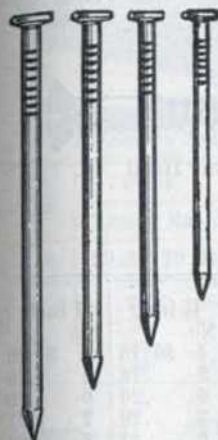
No. 105

No. 105—For marking gauges, etc. Each \$0.05

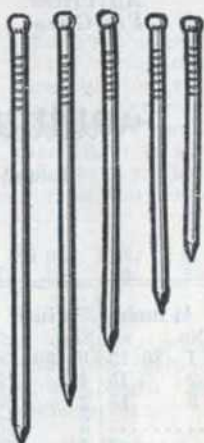
Prices Subject to Market Changes

WIRE NAILS AND BRADS

Flat Head Nails



Wire Brads



Note

In ordering, always specify gauge, length and be sure to state if flat heads or brad heads are wanted.

All Prices Per Pound

$\frac{3}{8}$ inch		$\frac{1}{2}$ inch		$\frac{3}{8}$ inch	
No.		No.		No.	
20	\$0.44	18	\$0.29	16	\$0.22
21	.55	19	.32	17	.23
		20	.37	18	.25
				19	.30
				20	.33
$\frac{3}{4}$ inch		1 inch		1½ inch	
No.		No.		No.	
16	\$0.20	14	\$0.15	12	\$0.13
17	.20	15	.15	13	.13
18	.23	16	.16	14	.13
19	.26	17	.18	15	.13
20	.32	18	.19	16	.15
				17	.17
2 inch		2½ inch		3 inch	
No.		No.		No.	
12	\$0.12	10	\$0.11	10	\$0.11
13	.12	11	.12	11	.11
14	.13	12	.12	12	.12
		13	.12	13	.12
		14	.13		

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

WOOD SCREWS

All Prices
Per GrossAll Prices
Per Gross

Flat Head



Round Head



Oval Head

Iron

Flat Head

$\frac{1}{4}$ inch	$\frac{3}{8}$ inch	$\frac{1}{2}$ inch	$\frac{5}{8}$ inch	$\frac{3}{4}$ inch	$\frac{7}{8}$ inch	1 inch
No.	No.	No.	No.	No.	No.	No.
1 \$0.15	0 \$0.15	2 \$0.15	3 \$0.16	3 \$0.17	4 \$0.18	4 \$0.20
2 .15	1 .15	3 .15	4 .16	4 .17	5 .18	5 .20
3 .15	2 .15	4 .15	5 .16	5 .17	6 .20	6 .20
.....	3 .15	.....	6 .17	6 .18	7 .20	7 .21
.....	4 .15	.....	.....	.....	8 .21	8 .23
.....	.....	.....	.....	.....	9 .23	9 .25
.....	.....	.....	.....	.....	10 .24	10 .27

Brass

Flat Head

$\frac{1}{4}$ inch	$\frac{3}{8}$ inch	$\frac{1}{2}$ inch	$\frac{5}{8}$ inch	$\frac{3}{4}$ inch	$\frac{7}{8}$ inch	1 inch
No.	No.	No.	No.	No.	No.	No.
1 \$0.19	0 \$0.19	1 \$0.23	2 \$0.26	3 \$0.31	5 \$0.41	4 \$0.41
2 .20	1 .20	2 .25	4 .31	4 .35	6 .48	6 .55
.....	2 .22	4 .27	6 .38	6 .41	8 .61	8 .68
.....	.....	.....	.....	8 .55	10 .75	10 .82

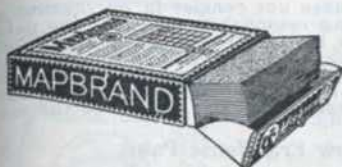
Brass

Round and Oval Head

$\frac{1}{4}$ inch	$\frac{3}{8}$ inch	$\frac{1}{2}$ inch	$\frac{5}{8}$ inch	$\frac{3}{4}$ inch	$\frac{7}{8}$ inch	1 inch
No.	No.	No.	No.	No.	No.	No.
0 \$0.25	0 \$0.25	1 \$0.30	2 \$0.35	4 \$0.45	4 \$0.50	6 \$0.75
2 .30	1 .30	2 .35	4 .40	6 .55	6 .65	8 .90
.....	2 .30	4 .35	6 .50	8 .75	8 .80	10 1.20
.....	.....	.....	.....	.....	10 1.00	12 1.40

Prices Subject to Market Changes

SANDPAPER



In Sheets 9x11 inches

Nos.	Flint		Garnet	
	Doz.	Each	Doz.	Each
2/0	\$0.20	\$0.05	\$0.35	\$0.05
0	.20	.05	.40	.05
1/2	.20	.05	.45	.05
1	.25	.05	.50	.05
1 1/2	.25	.05	.55	.06
2	.30	.05	.65	.07



STEEL WOOL

Uses for the Various Grades—No. 0, used in place of very fine sand paper, equal to pumice stone. No. 1, equal to No. 0 sand paper, for same purposes as No. 0, only for a little coarser work. No. 2, equal to No. 1/2 sand paper, No. 3, equal to Nos. 1 and 1 1/2 sand paper, used any place where quick cutting is necessary.

Household Size. 2 oz. Cartons

Nos.	0	1	2	3
Each	\$0.10	.10	.10	.10



One Pound Tubes

Nos.	1	2	3
Per Pound.....	\$0.26	.24	.21

Prices Subject to Market Changes

LIQUID GLUE

Le Pages

In Cans

Le Page's glue is the recognized standard for adhesives. For convenience and strength, it is superior to any other glue on the market.



Cans ...	1 gill	1/2 pt.	1 pt.	1 qt.
Each ...	\$0.25	.40	.70	1.20

Rogers

It holds with bull dog grip—2000 lbs. to the square inch.



In Tubes

1 oz. Tube—With patent feeder..
....Each \$0.25

In Cans

Cans	1 gill	1/2 pt.	1 pt.
Each	\$0.30	.50	.85

HOUSEHOLD CEMENT

Du Pont

A combination paste, glue, adhesive—an all-purpose cement. For mending china, glass, wood, leather, porcelain, metal or fabrics. Waterproof, transparent, dries quickly.



Full directions with each tube.

Per Tube...\$0.25

ACME QUALITY PAINTS

True economy in the use of paint does not consist in purchasing at the lowest price per gallon, but in being reasonably sure that the paint is honestly made and possesses in the fullest degree the qualifications above outlined. Low priced paint may last one to two years,—good paint four years or more. The cost of applying either is the same and is the largest item of expense. There is no economy, therefore, in buying at the lowest price per gallon. Years of service should be the consideration.

New Era House Paint

In 28 shades besides black and white.

Outside white, inside white, interior high gloss white.



1 gal.	½ gal.	1 qt.	1 pt.	½ pt.
\$4.00	2.10	1.15	.60	.35

French gray No. 8, pearl gray No. 27, slate color No. 132, cream No. 140, meadow green No. 130, ivory No. 12, sky blue No. 42, Pompeian red No. 18, bungalow brown No. 141, pea green No. 135.

1 gal.	½ gal.	1 qt.	1 pt.	½ pt.
\$3.75	2.00	1.05	.55	.35

	1 gal.	½ gal.	1 qt.	1 pt.	½ pt.
Ivy Green, No. 134.....	\$4.00	2.10	1.15	.60	.35
W. B. Green, No. 38.....	4.35	2.25	1.25	.65	.40

Acorn Ready-Mixed House Paint

An economical, durable house paint put up in handy sizes for brightening up the home. It spreads easily, dries quickly, possesses wonderful covering and wearing quality and may be used for inside or outside use.

In eight shades, besides black and white.

No. 251 light cream, No. 298 deep cream, No. 300 light buff, No. 256 nut brown, No. 252 light lead, No. 236 lead color, No. 220 sky blue and No. 305 window blind green.



1 qt.	½ gal.	1 gal.
\$0.75	1.40	\$2.60

	1 qt.	½ gal.	1 gal.
Window Blind Green.....	\$0.90	1.70	3.20
Outside or Inside White.....	.80	1.50	2.80

Note—Send for full shade color cards of complete lines.

Note—We carry in stock a very complete line of finishes for all purposes, including raw and boiled linseed oil, japan dryer, turpentine, alcohol, oil, varnish and penetrating stains, etc., etc. Market fluctuations prohibit our listing prices on this material but we shall be pleased to quote at any time upon receipt of quantity specifications.

Prices Subject to Market Changes

ACME QUALITY ENAMELS



No-Lustre Finish

Furnished in 10 attractive colors and comes ready for use on walls, woodwork, plaster or metal ceilings, burlap, fibre board, canvas, papier mache and interior surfaces generally.

White, light ivory No. 73, ivory No. 68, light tan No. 67, pea green No. 59, Silver gray No. 66.

1 gal.	$\frac{1}{2}$ gal.	1 qt.
\$3.10	1.70	.85



Enamel-Kote—Rapid Dryer

Drys in 4 hours. Comes all ready for use and gives a full, clear, beautiful gloss-finish in many attractive colors, affording wide scope for any treatment or scheme.

Neptune Green
Jade Green

Chinese Red
India Ivory

Orchid
Old Rose

Brilliant White
Brilliant Black

1 gal.	$\frac{1}{2}$ gal.	1 qt.	1 pt.	$\frac{1}{2}$ pt.	$\frac{1}{4}$ pt.
\$5.60	3.00	1.50	.90	.50	.30

Note—Send for full shade color cards of complete lines.

ACME QUALITY VARNISH



Great Lakes Spar

This is a perfect varnish for all exterior and interior surfaces such as floors, linoleums, table tops, front doors, bath-rooms, window sills, automobiles, marine work and all other surfaces exposed to moisture and hard wear. Dries dust free in four to six hours and hard in twenty-four to thirty-six hours.

Floor Roc

A popular floor varnish of medium body and good gloss. Light in color. It dries quickly and thoroughly. If drying conditions are favorable, it can be walked on, if necessary, twenty-four hours after job is complete. This does not mean over night.

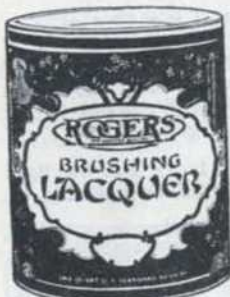
Size cans	$\frac{1}{2}$ pt.	1 pt.	1 qt.
Great Lakes Spar.....	Each \$0.50	.85	1.55
Floor Roc	Each .45	.75	1.30

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

BRUSHING LACQUER

Rogers



The most marvelous finish of the century. Especially for the amateur. No preparation. Merely brush the beautiful colors on—right over any old or new surface. Forms a smooth, satiny, colorful coating. Dries hard, ready for use, in 30 minutes (or less).

And any person can use "Rogers"—it's so easy. Comes in cans, ready mixed, in 19 beautiful colors. Also black, white and clear. Sold on a "Money Back" guaranty.

Popular Shades

White, ivory, black, Chinese red, turquoise, rich blue, lettuce green, forest green.

Size cans	1 qt.	1 pt.	½ pt.	¼ pt.
Each	\$1.95	1.10	.65	.40
Thinner Liquid—Size cans.....	1 qt.	1 pt.	½ pt.	¼ pt.
Each	\$1.70	.95	.55	.35

Du Pont Duco



A pyroxylin product, the base of which is cotton. Nitration processes similar to those used in the manufacture of other Du Pont Products are utilized in making Duco. Brush Duco is identical in all essential characteristics with Spray Duco, used in automotive and industrial finishing, the only difference being a manipulation of liquids in order to permit of easy brush application.

Has a rich, satiny lustre and a hard, long-wearing surface. One of its most valuable characteristics is its quick-drying feature. Articles finished with Duco can be put back in use the same day.

May be applied over almost all types of surfaces. It is possible to intermix two or more shades of Duco to obtain any tone or tint desirable.

Popular Shades

White, ivory, mandarin red, jade green, Nile green, also stains.

Size cans	1 qt.	1 pt.	½ pt.	¼ pt.
Each	\$2.20	1.20	.70	.37
Thinner Liquid—Size cans.....	1 qt.	1 pt.	½ pt.	¼ pt.
Each	\$1.70	.95	.55	.32

Note—Prices are given only on the most popular shades. Prices on other shades will be quoted on request. Send for full shade color card and instruction book.

Prices Subject to Market Changes

PLASTIC WOOD



**"Handles Like Putty,
Hardens Into Wood"**

Unequalled for filling cracks in lumber, knot-holes, floor seams dented or splintered woodwork, and for covering counter-sunk screws or nails. It can be sand-papered and finished so that no trace of the repair remains.

The greatest repair material ever invented. Real wood in plastic form, sticks to wood, metal, porcelain, tile. Packed ready for use.

Colors—White, mahogany, oak, walnut and natural.

	Each
$\frac{1}{4}$ pound cans.....	\$0.35
Small tubes .....	.25

SHELLAC

White, Cut in Alcohol

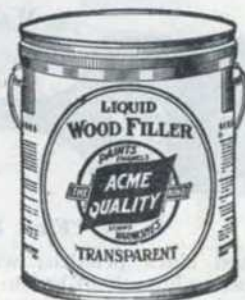
	Each
$\frac{1}{2}$ pint bottle.....	\$0.30
1 pint bottle.....	.50

Orange, Cut in Alcohol

	Each
$\frac{1}{2}$ pint bottle.....	\$0.25
1 pint bottle.....	.45

Prices Subject to Market Changes

WOOD FILLER



Liquid

	Each
$\frac{1}{2}$ pint can.....	\$0.40
1 pint can.....	.55

PUTTY

Linseed Oil Putty

1 pound cans.....	Each \$0.10
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PAINT BRUSH CLEANER



"Brush-Nu"

Quickly cleans brushes from hard old paint, varnish, shellac or enamel. Used by mixing in water. Absolutely safe to hands or the most delicate bristles.

"Brush-Nu"—Net weight of package $2\frac{1}{2}$ oz.; softens up to five 3 inch brushes....Per Box \$0.10

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

PAINT AND VARNISH BRUSHES

Wall Paint Brushes



No. 507—Set in Rubber

Pure black Chinese bristles; polished natural handle. An inexpensive painters' tool. Good filler length.

Width, in.... 3 4
Each \$0.65 1.10

"First Line"—Set in Rubber

Mixed black bristles; white metal ferrules; natural handle. An inexpensive household brush.

Width, inches..... 2½ 3 3½ 4
Each \$0.50 .60 .65 .90

Flat Varnish Brushes



No. E—Set in Rubber

Pure unbleached bristles; nicked ferrule; natural finish handle.

Width, inches 1 1½ 2 2½ 3
Each \$0.15 .15 .25 .35 .45

Chicago—Set in Rubber

Selected black Chinese bristles, long, fine and elastic; nickel plated ferrule; polished white panel handle; full center, triple thick, fine chisel edge.

Width, inches 1½ 2 2½
Each \$0.45 .65 .90

Flat Lacquer Brushes



Flo-Lac No. 1783

Selected fine bristles, specially set for lacquering.

Width, inches 1 1½ 2
Each \$0.35 .45 .60

Prices Subject to Market Changes

Fourth Avenue at 13th Street also at 57th Street—145-147 East

SASH TOOLS

Rubberset



Style No. 42

Hard rubber bound; best all white bristles.

Size, Nos.	Diameter, Inches	Each
1	$\frac{1}{2}$	\$0.55
2	$\frac{5}{8}$	.65
3	$\frac{3}{4}$	.75
4	$\frac{7}{8}$	.85
5	1	1.00

GLUE BRUSHES

Rubberset



Style No. 96, Round

An excellent brush for small glue or paste work. All gray bristles.

Size, Nos.	Diameter, Inches	Each
1	$\frac{1}{2}$	\$0.50
2	$\frac{5}{8}$	.55
3	$\frac{3}{4}$	.65
4	$\frac{7}{8}$	.70
5	1	.90

PUTTY KNIVES

H. S. & Co.



No. 1540—Stiff Blade

Cocobolo handle, metal bolster.

Blade, inches...	$1\frac{5}{8} \times 3\frac{5}{8}$	$2 \times 3\frac{3}{4}$
Each	\$0.45	.55

No. 1540E—Elastic Blade

Cocobolo handle, metal bolster.

Blade, inches...	$1\frac{5}{8} \times 3\frac{5}{8}$	$2 \times 3\frac{3}{4}$
Each	\$0.50	.60

GLASS CUTTERS

New Rex



Interchangeable

Latest model glass circle cutter. Graduated bar, turret head, with three cutter wheels. Nicely nickel-plated bar and head. Red knob and base.

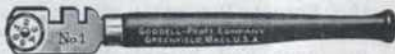
New Rex—Cuts circles from $1\frac{3}{4}$ to 23 inches.....Each \$0.80



Red Devil

No. 024— $4\frac{3}{4}$ inches long, all iron, polished head, red painted handle, three keyed glass breakers, hand honed steel cutting wheel.
.....Each \$0.15

Turret



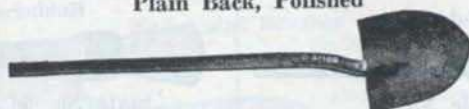
Wood handle, nickel plated steel head and turret, 6 hardened and ground steel cutting wheels, turret may be revolved on or clamped to the frame by a screw at its center.
No. 10— $5\frac{1}{2}$ in. long...Each \$0.25

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

DIRT SHOVELS

Plain Back, Polished



Long Handle, Round Point

No.	2
Blade, inches	9½ x 11¾
Each	\$1.15

D Handle, Square Point

Nos.	2	3
Blade, inches	9¾ x 11¾	10¼ x 12¼
Each	\$1.15	1.20

D Handle, Round Point

Nos.	2	3
Blade, inches	9 x 11¾	9½ x 12¼
Each	\$1.15	1.20

GARDEN SHOVELS

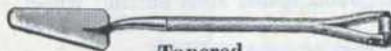


Long Handle, Round Point

Especially designed for easy digging in the garden.

No. LOAO—Size No. 2.
Each\$1.25

GARDEN SPADES



Tapered

Designed and patterned after the French Peasant's spade; this tapered blade is ideal for turning over and breaking up light turf. Forged steel blade.

Length 41 inches over all; blade 5½ inches wide at the top, 3½ inches wide at the bottom and 12 inches long. Full polished.
Each\$1.75

GARDEN SPADES

Ames, Regulation Size

Length 39 inches;
blade 7¼ inches wide x
11 inches long, polished;
wood D handle.

No. 2—Plain back.
Each\$1.70



Ames, Junior Size

Length over all 31 inches; blade 5½ inches wide x 8½ inches long, polished; wood D handle.

No. F702—Plain back. Each \$1.25

Prices Subject to Market Changes

INCINERATORS

Burn-All



Endorsed by Health and Fire Authorities.

For quick and safe disposal of rubbish, refuse and garbage for all home owners, private institutions, country clubs, schools, farm houses, camps, industrial plants, stores, etc.

Perforated inner flue, a patented feature which insures constant air circulation during filling period thus dehydrating wet garbage. Develops downward burning. Cannot clog nor smother fire.

Absolutely spark-proof—wire mesh guard at top of flue catches all sparks. Contents always out of sight. Easy to fill—or move from place to place. Burns anything burnable. No open flame or fire visible. Ashes removed only occasionally.

Nos.	8	4	1A
Capacity, bushels	8 $\frac{7}{8}$	4 $\frac{1}{2}$	2 $\frac{1}{4}$
Diameter body, inches.....	33	24	19
Height body, inches.....	30	30	26
Over all, inches.....	63	62	55
Weight crated, lbs.....	220	135	90
Each	\$92.50	52.50	27.75

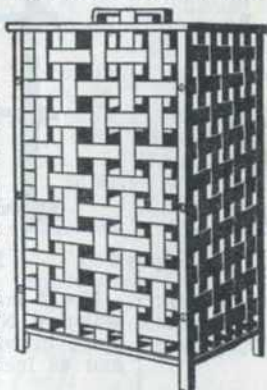
RUBBISH BURNERS

Skyscraper

The most efficient outdoor incinerator for homes, stores, factories and institutions.

High carbon steel strips; will not warp or buckle, blow over or roll around.

Dont' allow rubbish to collect in cellars or attics. Burn it every day in a Skyscraper.



Model DD

Size 27x14x14 inches;
weight packed 32
pounds..Each \$6.75

Model EE

Size 27x16x16 inches;
weight packed 38
pounds..Each \$8.00

Model 3E

Size 30x20x20 inches;
weight packed 54
pounds..Each \$11.00

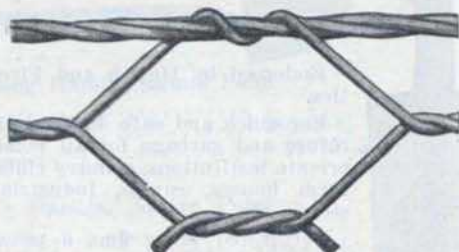
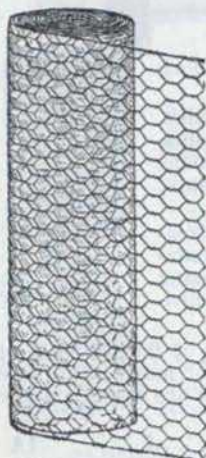
One in a carton, knocked down.

Prices Subject to Market Changes

Delivery Prepaid Within 100 Miles—to Points Beyond Charges Collect

HEXAGON GALVANIZED POULTRY NETTING

In Rolls of 150 Linear Feet, Galvanized after Weaving

**1 in. Mesh, No. 20 Wire**

Width, Inches	Per Roll
24	\$ 5.25
30	6.25
36	7.20
48	9.60
60	12.00
72	14.35

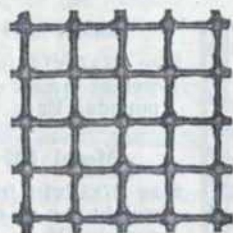
2 in. Mesh, No. 19 Wire

Width, Inches	Per Roll
24	\$2.65
30	3.15
36	3.60
48	4.75
60	6.00
72	7.20

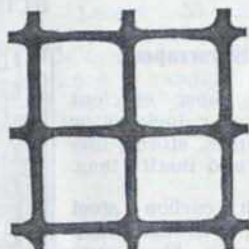
Note—Sold in full rolls only

GALVANIZED STEEL WIRE NETTING

In Rolls of 100 Linear Feet, Galvanized after Weaving

**No. 4 Mesh**

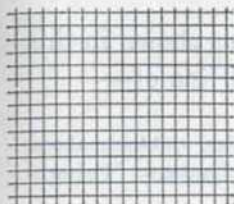
No. 4 mesh ($\frac{1}{4}$ inch square); standard No. 23 wire; carried in stock in widths of 24, 30, 36 and 48 inches.

Per Square Foot.....\$0.05 $\frac{1}{2}$ **No. 2 Mesh**

No. 2 mesh ($\frac{1}{2}$ inch square); standard No. 19 wire; carried in stock in widths of 24, 30, 36, 42 and 48 inches.

Per Square Foot.....\$0.04 $\frac{1}{2}$ **Prices Subject to Market Changes**

SCREEN WIRE CLOTH In Rolls of 100 Linear Feet



14-MESH

Antique Bronze

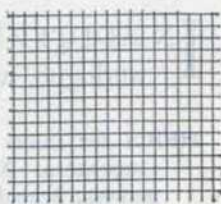
This bronze wire is an alloy of non-corrodible metals of which copper represents about 90 per cent, and tests have proven it to be more durable than pure copper when used for window and door screens.

Requiring no paint, lacquer or other protective coating, light and air have an unobstructed passage through these fabrics. Exposure to the weather simply darkens the color, rendering the cloth nearly invisible.

We specially recommend Antique Bronze Wire Cloth in cases where exposed to salt air.

Carried in stock in widths of 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 48 inches.

	Per 100 Sq. Ft.
Full rolls, 14 mesh.....	\$6.50
Full rolls, 16 mesh.....	6.90
Less than full rolls, 14 mesh.	
Per Square Foot.....	\$0.07
Less than full rolls, 16 mesh.	
Per Square Foot.....	\$0.07½



16-MESH

Pearl

Is made of steel wire of unusual hardness protected by a metallic finish, which is the result of years of experiment. This imparts to the cloth remarkable durability and smoothness.

The metallic finish, at first lustrous—similar to silver—turns, after short exposure, to a shade of gray, rendering the wire almost invisible.

The cost of screening a building with Pearl Wire Cloth is but little more than if the ordinary painted material is used and the expense and annoyance of frequently repainting and replacing the wire is avoided.

Carried in stock in widths of 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 48 inches.

	Per 100 Sq. Ft.
Full rolls, 14 mesh.....	\$5.50
Full rolls, 16 mesh.....	6.00
Less than full rolls, 14 mesh.	
Per Square Foot.....	\$0.06
Less than full rolls, 16 mesh.	
Per Square Foot.....	\$0.06¾

Galvanoid

Galvanoid is heavily electro-zincked after weaving, then a coat of transparent varnish is baked on. It is firm, durable and attractive, the best grade of zinc-coated cloth on the market. 14 mesh only.

Carried in stock in widths of 24, 26, 28, 30, 32, 34 and 36 inches.

Full rolls. 100 Square Feet.....	\$2.60
Less than full rolls. Per Square Foot.....	.03

Prices Subject to Market Changes

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IN ADDITION to the items shown in this catalogue, we offer a full line of—

TOOLS for Home and General Use, Cabinetmakers, Carpenters, Machinists, Toolmakers, Patternmakers, Schools and Colleges.

HARDWARE for Residences, Furniture and Cabinet Manufacturers and General Use.

SUPPLIES such as Bolts, Screws, Nuts, Washers, Nails, Rivets, Wire, Abrasives, etc.

AUTOMOTIVE SUPPLIES—Tools and Equipment for Fleet Owners, Service Stations and also Individuals.

PAINTS—We carry in stock a full line of **Acme Quality** Paints, also Varnishes, Enamels, Stains, etc., for inside and outside use.

SPORTING GOODS—We carry a full line of sporting goods—including golf, tennis, baseball, fishing, and equipment for all outdoor and indoor sports.

And in our 57th Street store only

HOUSEWARES: Hundreds of things that make housekeeping easier—from simple items for kitchen and pantry to the more unusual type of housewares for Town and Country Homes.

Hammacher, Schlemmer & Co.

NEW YORK, Since 1848



Hammacher, Schlemmer & Co
NEW YORK, N.Y.

SINCE 1848